HERMAN R. KAPLAN
ARCHITECT

JUN 18 1956

FOR LOUVRE TYPE NATURAL VENTILATION

Panelouvre®

in the largest wall

or the smallest door

FILE NO. A. I. A. 35-P-4

FILE NO. A. I. A. 35-P-4

the Ventilouvre® co., inc. 415 LEXINGTON AVE., NEW YORK 17, N. Y.

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Panelouvre®

FOREWORD

Since 1914 The Ventilouvre Co., Inc., has pioneered the development of louvres to meet and solve ventilating problems throughout the country. We take pride in the ever increasing number of architects, engineers, contractors and owners who turn to us with confidence in the reliability of our product.

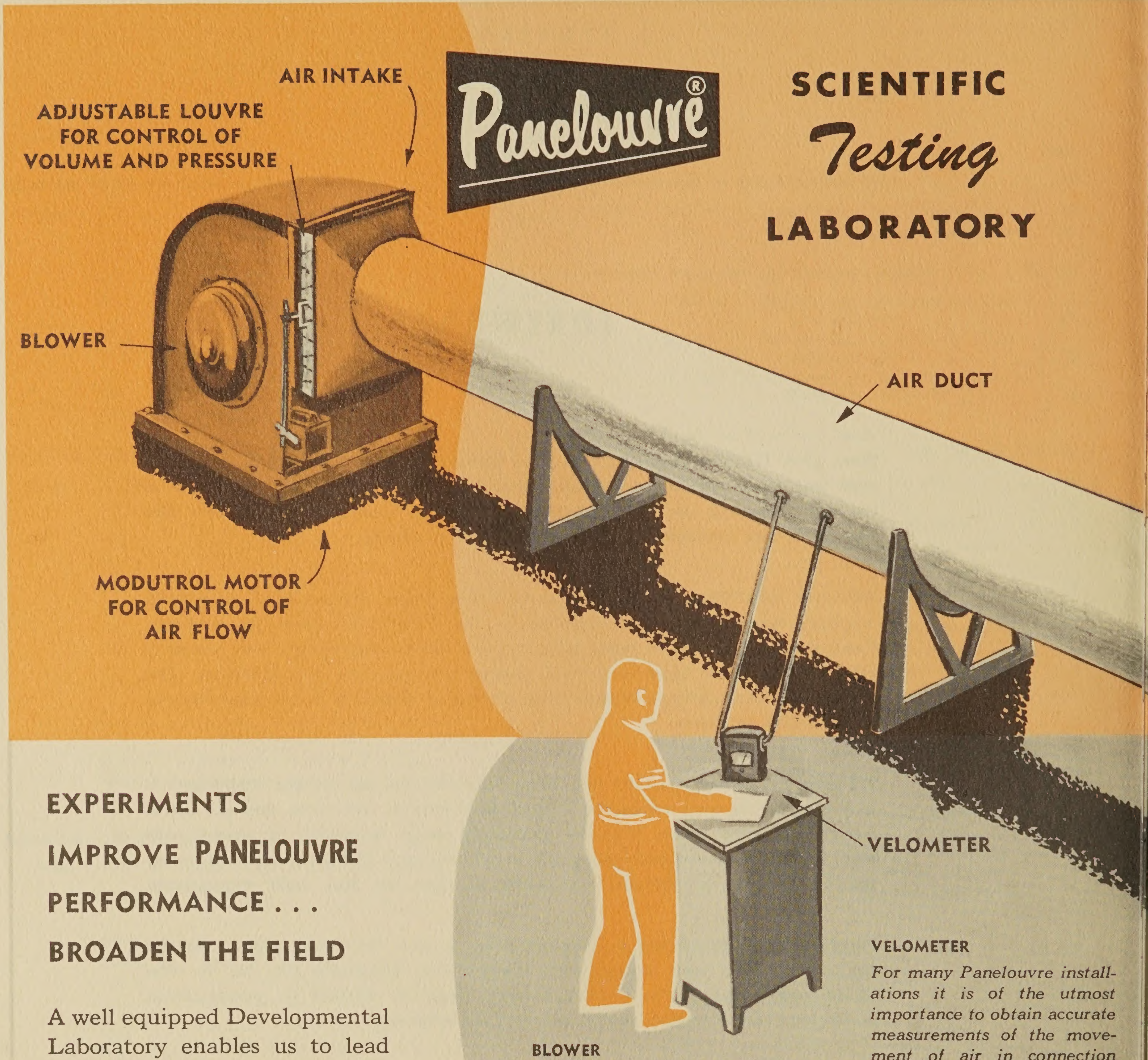
Wherever installations require louvres to insure proper ventilation — in schools, hospitals, hotels, offices and factories — the Panelouvre solves the problem. Panelouvre designs can be relied upon to meet varied requirements with maximum efficiency and smart appearance while keeping cost and time at a minimum. This catalog illustrates standard designs which are readily adaptable to the large majority of ventilating problems.

Recognizing that circumstances may demand special types and designs, Ventilouvre is well equipped to meet varied and unusual requirements. The tools, dies and manufacturing facilities insure flexibility, permitting ready fabrication of special units when necessary. Sound engineering and a well equipped Developmental Laboratory provide assurance of precision and quality to meet the most rigid requirements.

Panelouvres are distributed by representatives in over 70 major cities throughout the country. This wide representation enables The Ventilouvre Co., Inc. to offer service unsurpassed in the building industry. Inquiries directed to representatives or the home office receive prompt and accurate attention.

Patent Nos. 1091844, 1559376, 1666218, 1519553,
1599377, 1675910, 1529037, 1655073, 1722059.
Other Patents Pending.

SCIENTIFIC *Testing* LABORATORY


Panelouvre®
AIR INTAKE
ADJUSTABLE LOUVRE FOR CONTROL OF VOLUME AND PRESSURE
BLOWER
AIR DUCT
MODUTROL MOTOR FOR CONTROL OF AIR FLOW
VELOMETER

EXPERIMENTS IMPROVE PANELOUVRE PERFORMANCE . . . BROADEN THE FIELD

A well equipped Developmental Laboratory enables us to lead the way in ventilation engineering and assures precision and quality to meet the most rigid requirements. It is here that Ventilouvre develops Panelouvre models to match the needs of an ever increasing demand for proper ventilation in all types of buildings.

Equipment as illustrated on these pages will provide the solutions to your ventilation problems.

BLOWER

The Centrifugal Blower, with a capacity range of approximately 7,000 to 15,000 C.F.M. at varying static pressures, provides the necessary air pressure for the most varied of tests. An adjustable Panelouvre operated by a Modutrol Motor permits easy control of volume and pressure.

VELOMETER

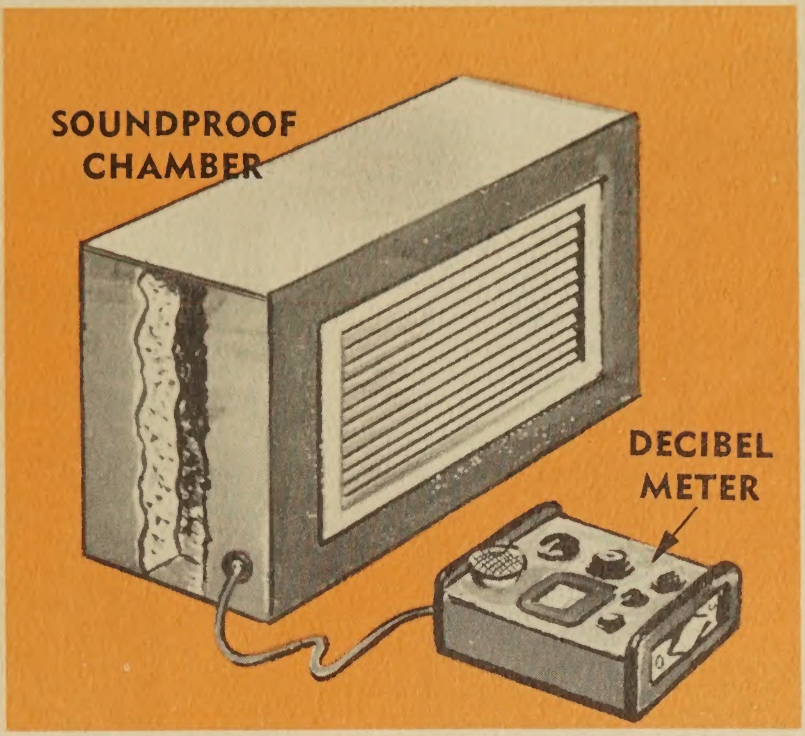
For many Panelouvre installations it is of the utmost importance to obtain accurate measurements of the movement of air in connection with varying volumes, velocities and pressure changes. The Velometer assures accurate velocity readings in lineal feet per minute (L. F. M.) which enable us to offer the best solution for whatever conditions may be encountered.

AIR DUCT

The 24 foot Air Duct which connects the Blower and Air Pressure Chamber has been carefully constructed and equipped with devices to meet the stipulations of national associations of heating and ventilating engineers, as well as fan and blower manufacturers. Accurate readings of velocity and pressure drop are thus made possible.

AIR PRESSURE CHAMBER

The approximately 7 cubic foot Air Pressure Chamber enables us to install for testing purposes Panelouvre sections of sizes that will provide information on units of the largest, as well as the smallest, dimensions.

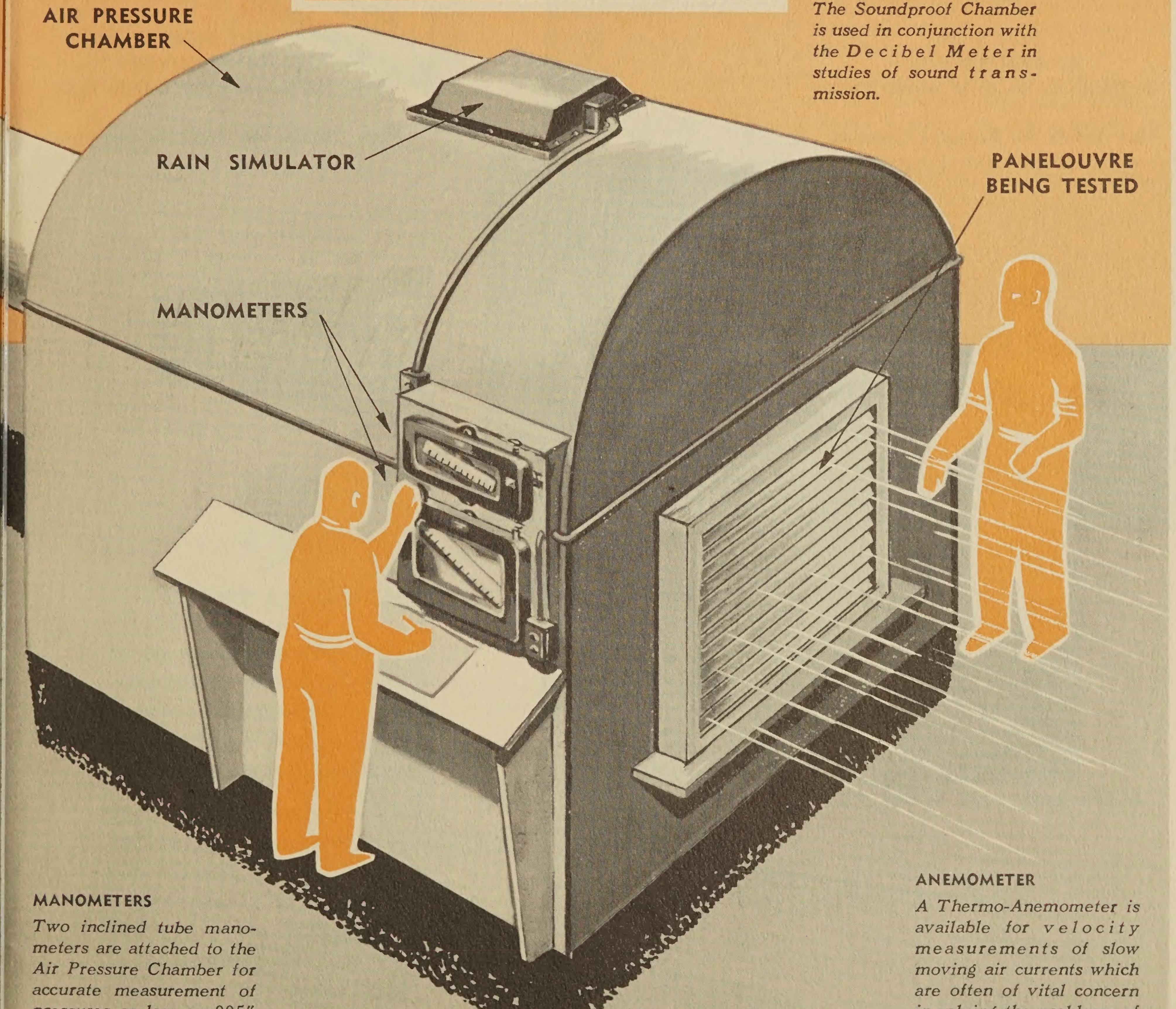


DECIBEL METER

Architects and engineers are becoming increasingly aware of the need for control of sound transmission in many buildings. In step with this trend, Ventilouvre has equipment available for sound measurement, facilitating the development of Panelouvres which reduce sound transmission while permitting ready passage of air. Although sound must of necessity be carried by air, it has been determined that felt lined Panelouvre blades will reduce noise.

SOUNDPROOF CHAMBER

The Soundproof Chamber is used in conjunction with the Decibel Meter in studies of sound transmission.

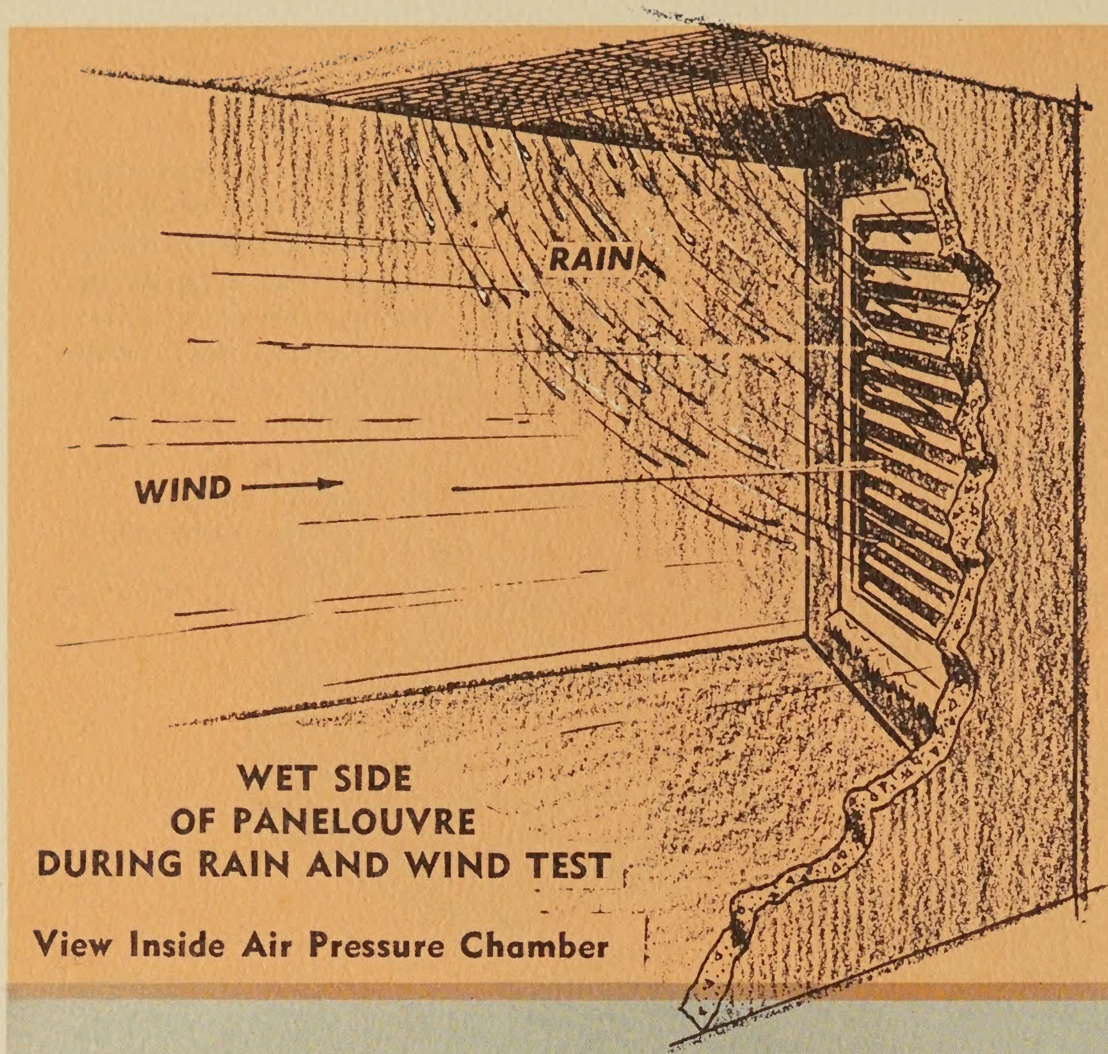


MANOMETERS

Two inclined tube manometers are attached to the Air Pressure Chamber for accurate measurement of pressures as low as .005″ and as high as 2.8″ of water.

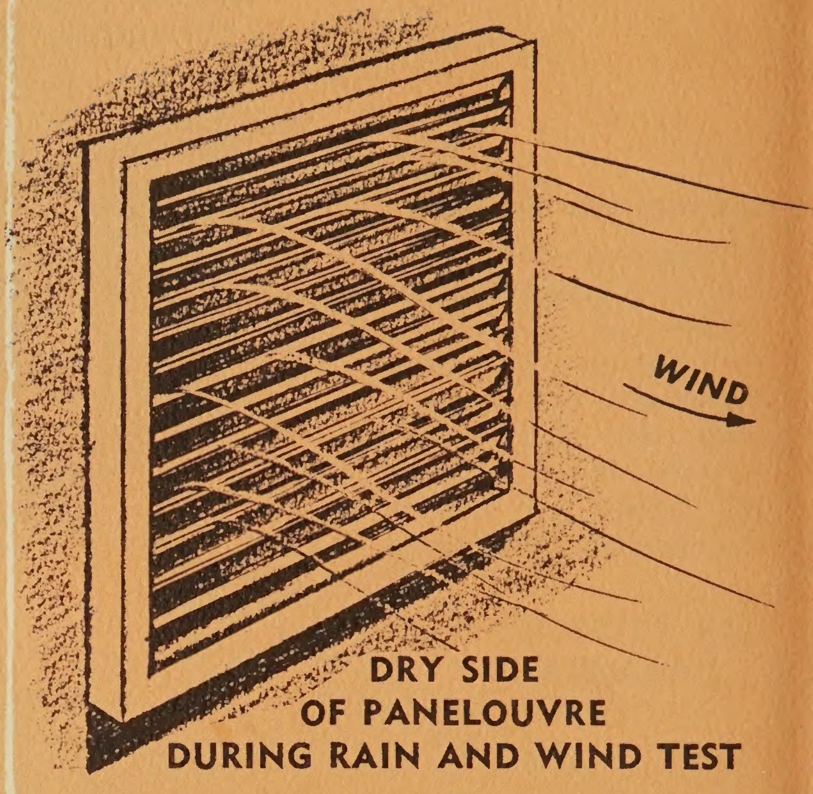
ANEMOMETER

A Thermo-Anemometer is available for velocity measurements of slow moving air currents which are often of vital concern in solving the problems of obtaining proper ventilation.



WET SIDE
OF PANELOUVRE
DURING RAIN AND WIND TEST

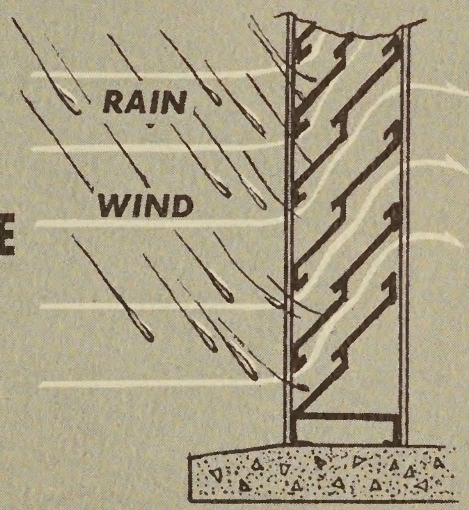
View Inside Air Pressure Chamber



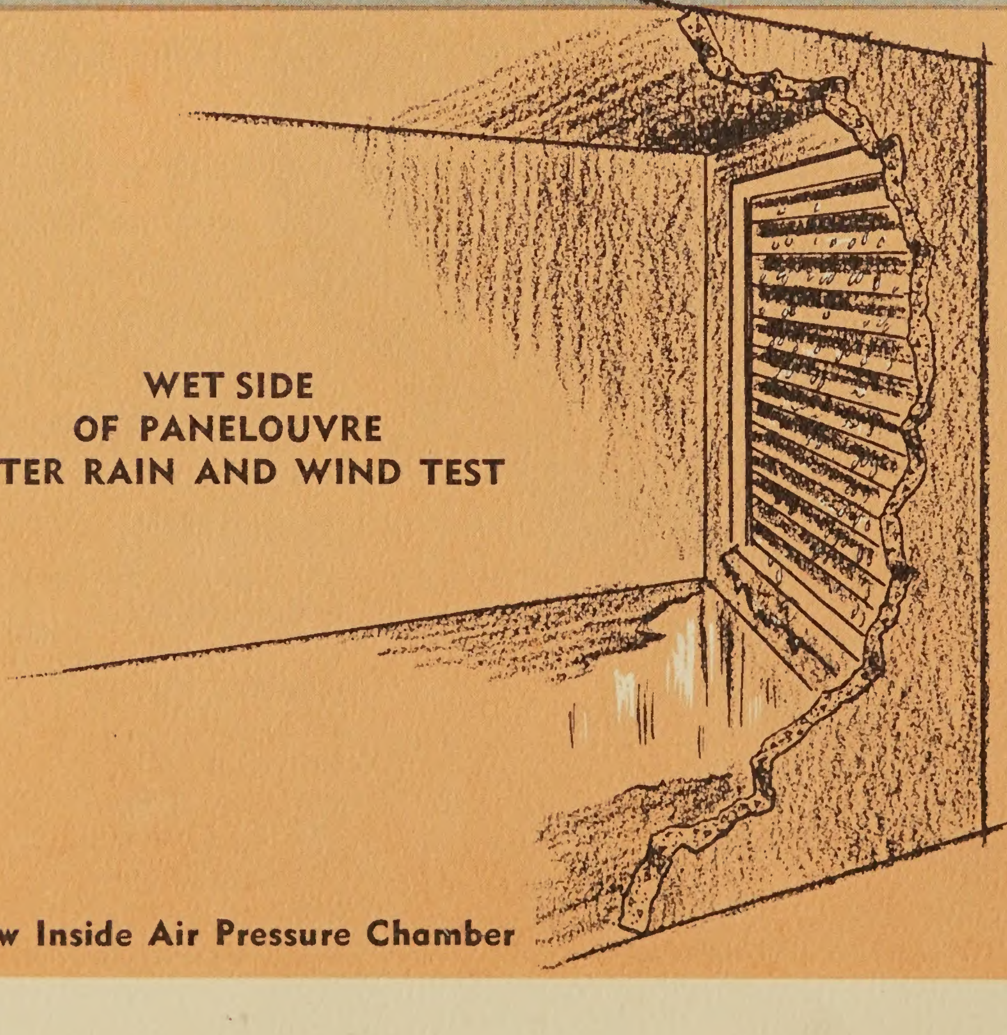
DRY SIDE
OF PANELOUVRE
DURING RAIN AND WIND TEST

View Outside Air Pressure Chamber

Testing FOR RAIN and STORM RESISTANCE in TESTING LABORATORY



Panelouvre®



WET SIDE
OF PANELOUVRE
AFTER RAIN AND WIND TEST

View Inside Air Pressure Chamber

RAIN SIMULATOR

This device enables us to make accurate determinations concerning the stormproof and leakproof qualities of Panelouvres.

By simulating the various peak amounts of rainfall as found throughout the country and combining them with varying air velocities, guesswork is eliminated.

ERRATUM

operating bar Adjustable louvres shall be equipped with operating bar made of 3/32 x ½ in. cold rolled steel and attached to each louvre blade to assure positive operation and equal spacing between louvre blades.

s for installation in doors and other small openings

Created and patented by Ventilouvre, the Panelouvre is the only inverted "V" blade adjustable louvre for doors available in the ventilating industry. The inverted "V" shape of the Panelouvre blades assures privacy and comfort by reducing outside noise, and entirely eliminating the glare of outside lights.

Wherever people live or work, the Adjustable Panelouvre, while costing only very little more than the Stationary Panelouvre, offers the finest in ventilating comfort and convenience.

Designed to meet the architectural trend toward functional simplicity, narrow lines and inherent beauty, the Panelouvre adapts itself unobtrusively to carrying out design motifs.

The Panelouvre permits lower ceiling heights, thereby substantially increasing the effective floor area without increasing the total building cubage.

Built of the best and sturdiest materials and without wearing parts, the Adjustable Panelouvre will last a lifetime without maintenance, repair or replacement. It operates easily and positively without noise or sticking.

The Panelouvre is fabricated of high grade steel and given a baked enamel finish of the finest quality. Our color chart with its many varied standard colors and shades makes it easy to choose the finish to harmonize with doors and trim. Colors other than shown on our color chart, as well as grained finishes, are available upon request.

Panelouvre Construction and Suggested Specifications

This information explains the construction of the Panelouvre and can be used as specifications for door louvres.

under "carpentry" Louvre Ventilators shall be furnished and installed as shown on plans. Construction, as manufactured by the Ventilouvre Co., Inc., New York, N. Y., shall be as follows:

frames Frame members shall be 18 gauge cold rolled steel channel, ½ x 1½ x ½ in. Top and bottom channel frame members shall be inverted, provided with countersunk screw holes and designed to prevent collection of dust. Corners shall be drawn and spot-welded; both faces of frame shall be flush. Brass, bronze, aluminum or other metals can be furnished subject to availability.

louvre blades Blades shall be made of 18 gauge cold rolled steel, inverted "V" shape, and set on 1 in. centers, with ½ in. space between bottom edges.

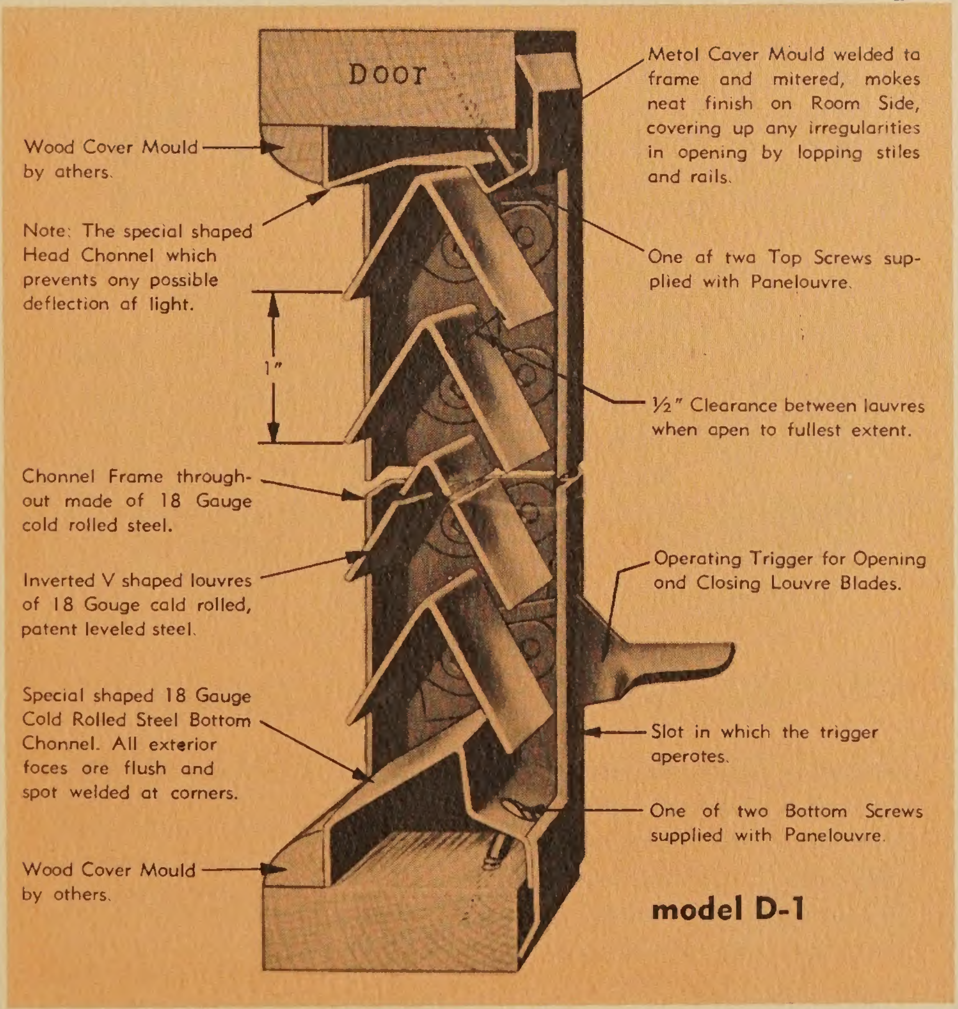
operating bar Adjustable louvres shall be equipped with operating bar made of ½ x ½ in. cold rolled steel and attached to each louvre blade to assure positive operation and equal spacing between louvre blades.

operating triggers (omit for stationary units) Operating triggers shall be located in any one of the four corners which may be most accessible for interior or exterior installations.

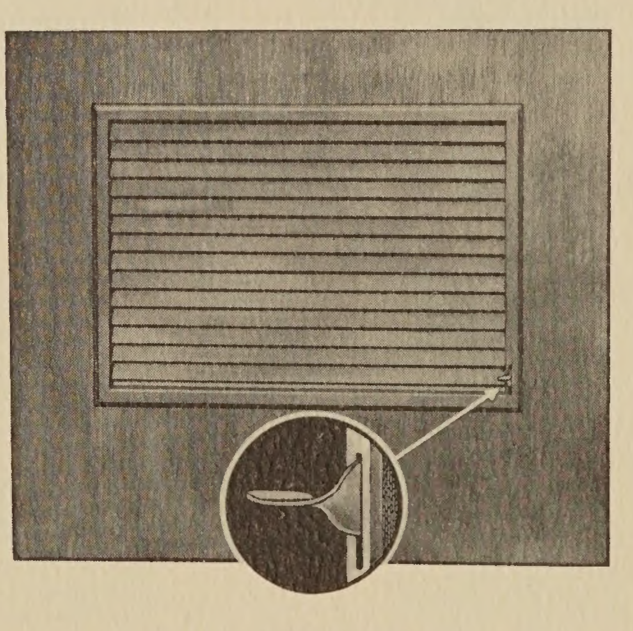
openings Openings shall be ⅛ in. larger each way than unit.

finish Finish shall be high grade baked enamel, applied at factory in solid color to harmonize with doors and trim. Samples of finish to be approved by architects. Grained finish can be furnished at additional cost.

metal mouldings Metal mouldings, as detailed, shall be furnished by the manufacturer. (If wood mouldings are used, they shall be furnished by the door manufacturer.)


Door
Wood Cover Mould by others.
Note: The special shaped Head Channel which prevents any possible deflection of light.
1"
Channel Frame throughout made of 18 Gauge cold rolled steel.
Inverted V shaped louvres of 18 Gauge cold rolled, patent leveled steel.
Special shaped 18 Gauge Cold Rolled Steel Bottom Channel. All exterior faces are flush and spot welded at corners.
Wood Cover Mould by others.
Metal Cover Mould welded to frame and mitered, makes neat finish on Room Side, covering up any irregularities in opening by lapping stiles and rails.
One of two Top Screws supplied with Panelouvre.
½" Clearance between louvres when open to fullest extent.
Operating Trigger for Opening and Closing Louvre Blades.
Slot in which the trigger operates.
One of two Bottom Screws supplied with Panelouvre.

model D-1



operation

Blades of Adjustable Panelouvres can be placed in full open, tight closed or intermediate positions to afford the degree of air circulation desired by simple manual adjustment of the operating trigger.

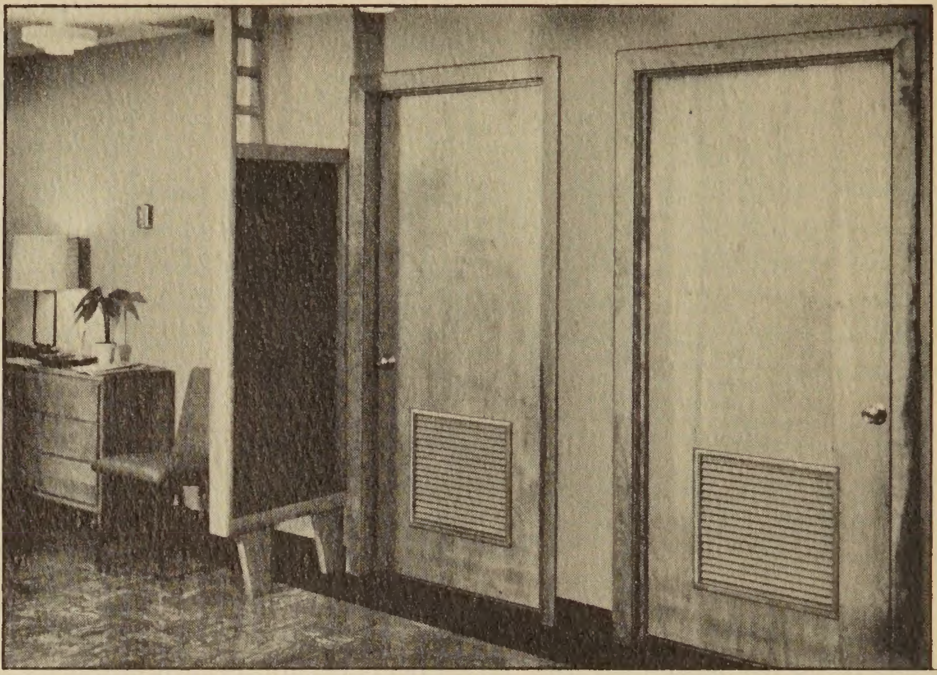
This feature affords, at only slight additional cost, controlled ventilation, comfort, privacy and reduction of corridor noises and confusion. Blade operation is easy and silent.

This feature, "Adjustable Blades", should always be included when specifying Panelouvres for corridor doors leading to regularly occupied rooms and offices.

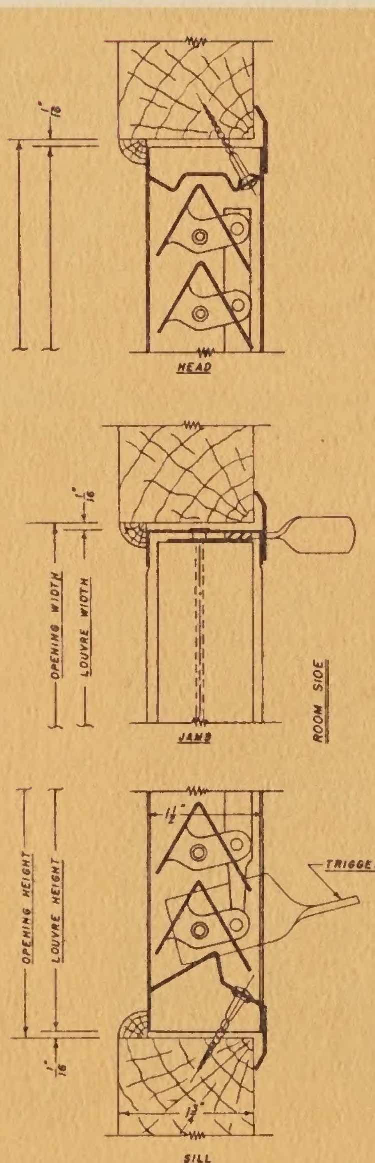
Panelouvre®

adjustable models for installation in doors and other small openings

Adjustable Panelouvres are available in any width, with units over 32″ wide made in two sections. Heights, for design reasons, are preferably held to multiples of 1″ plus ⅜″ (i. e. 10⅜″, 15⅜″, etc., as may be required). Panelouvres can be supplied in other heights (not larger), depending on opening sizes, at no additional cost.

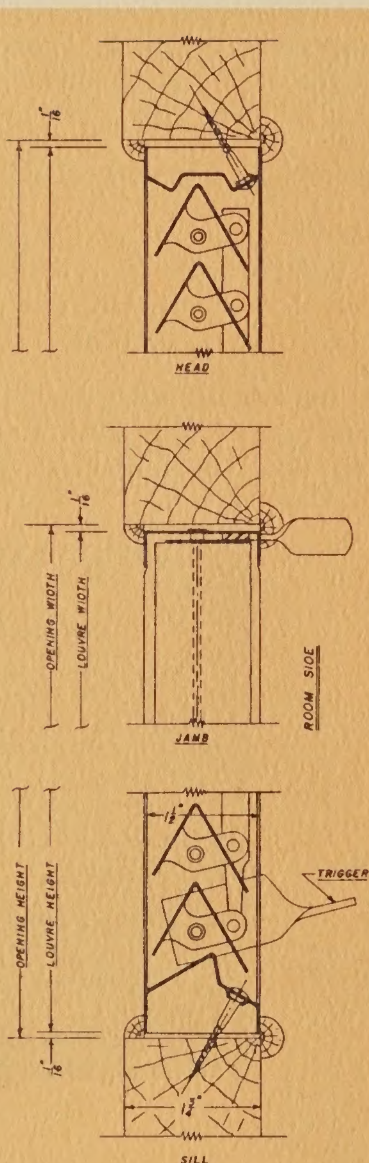


Model D-1 Adjustable Panelouvres in doors of Commercial Petroleum and Transport Company Office, Houston, Texas.



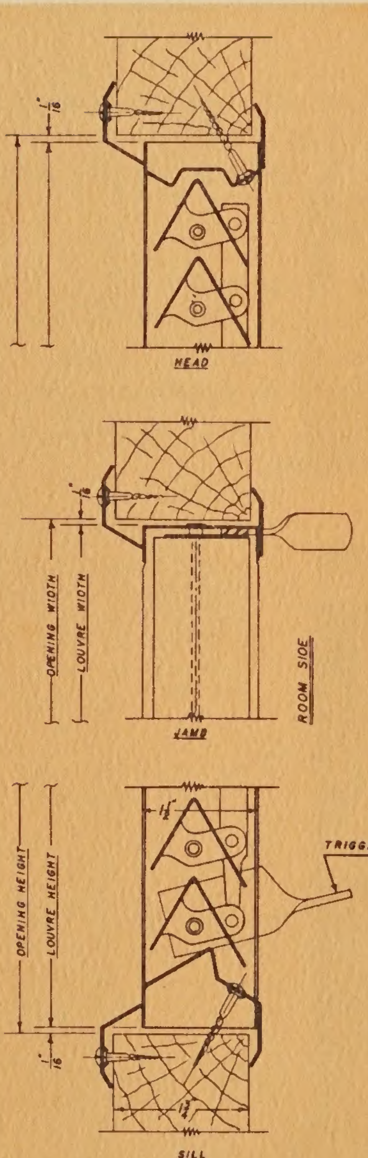
model D-1

adjustable Panelouvre model D-1, detail 46. Furnished with metal moulding room side, wood moulding corridor side by others. 1½″ thick and fabricated of 18 gauge cold rolled steel.



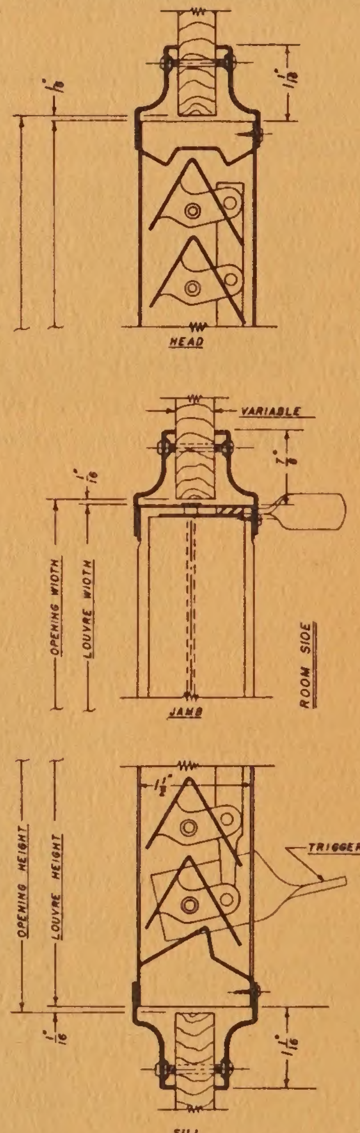
model D-2

adjustable Panelouvre model D-2, detail 41. No metal moulding. Wood moulding furnished by others. 1½″ thick and fabricated of 18 gauge cold rolled steel.



model D-3

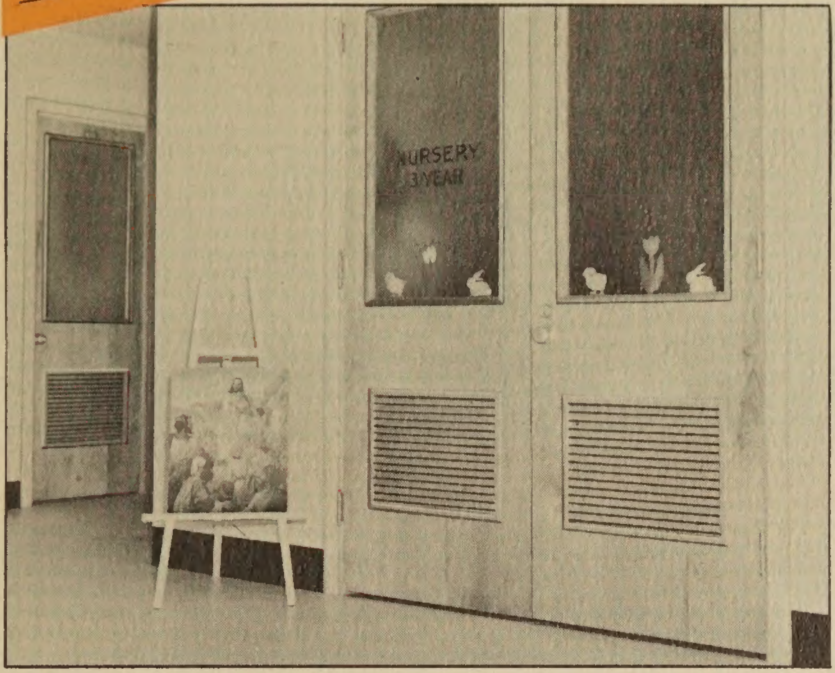
adjustable Panelouvre model D-3, detail 56. Furnished with metal moulding for both room and corridor sides. Moulding for doors 1⅜, 1½ or 1¾ inches thick. 1½″ thick and fabricated of 18 gauge cold rolled steel.



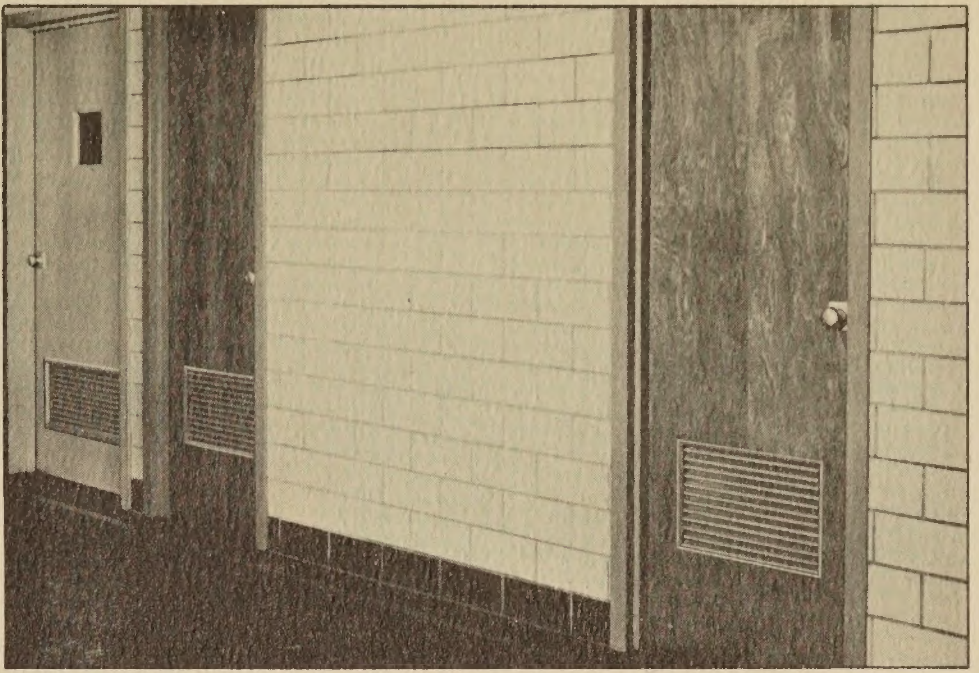
model D-4

adjustable Panelouvre model D-4, detail 58. For use in thin panel doors. Mouldings furnished for 1/16″ to 7/8″ panel thickness. Panelouvre mouldings 1¾″ greater in width and 2⅛″ greater in height than Panelouvre. Metal mouldings should not contact door mouldings. 1½″ thick and fabricated of 18 gauge cold rolled steel.

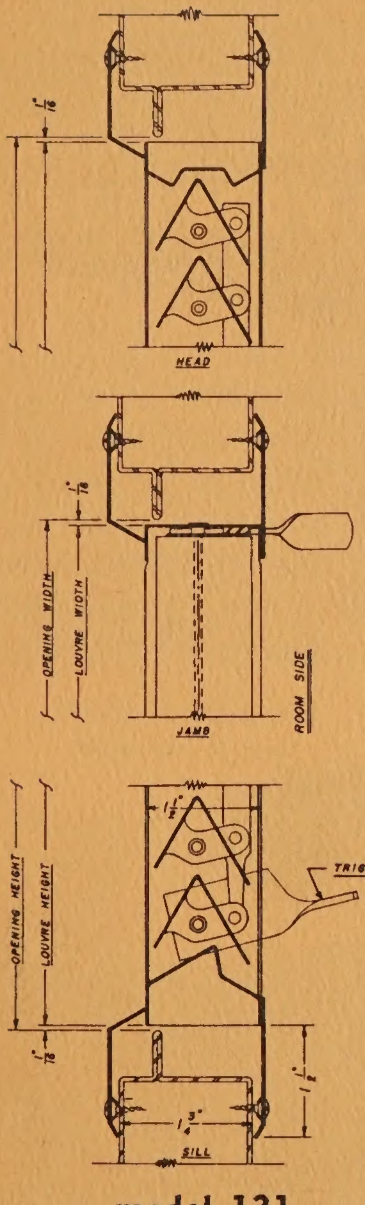
Panelouvre® adjustable models for installation in doors and other small openings



Adjustable Panelouvres model D-3 assure proper ventilation in First Baptist Church Educational Building, St. Petersburg, Florida.

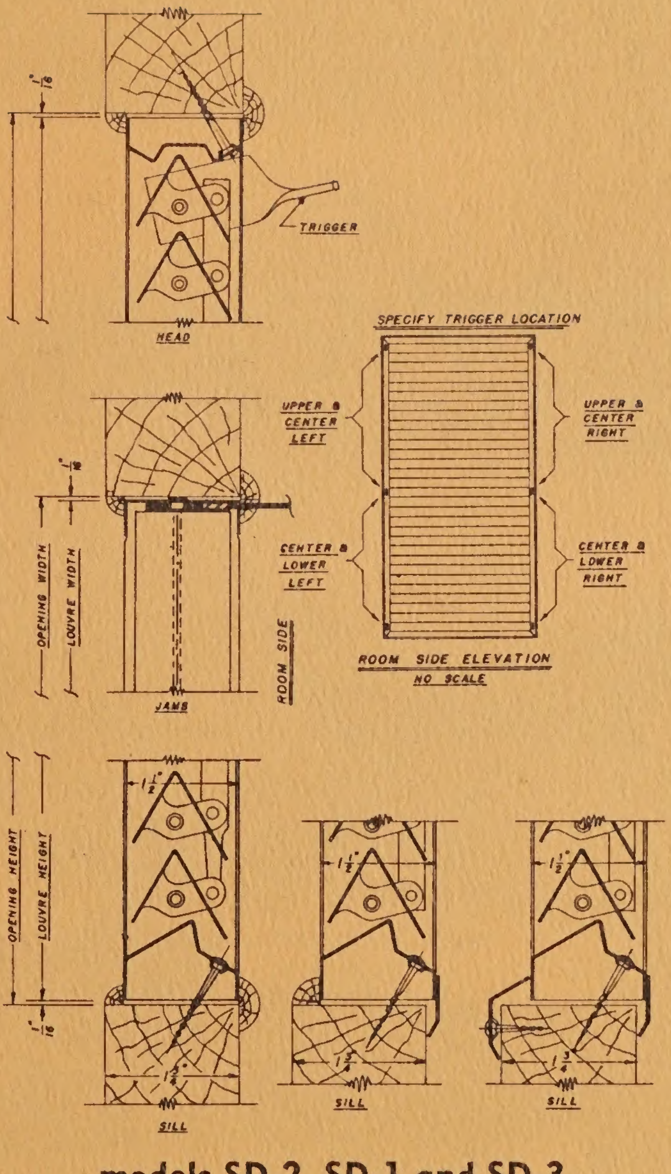


Adjustable Panelouvres, with and without metal moulding, installed in St. Vincent Charity Hospital, Cleveland, Ohio.



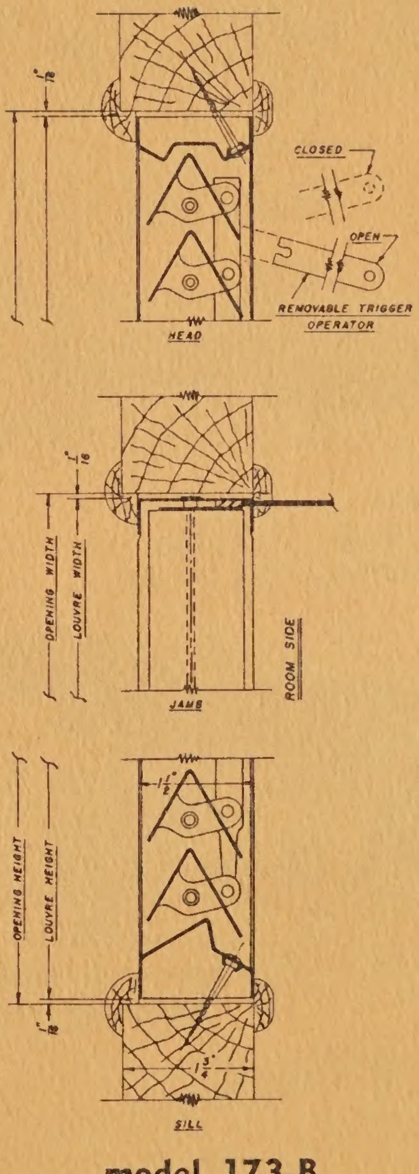
model 131

adjustable Panelouvre model 131. For all types of metal doors. Moulding for doors 1⅜, 1½ or 1¾ inches thick. 1½" thick and fabricated of 18 gauge cold rolled steel.



models SD-2, SD-1 and SD-3

adjustable Panelouvre models SD-2, SD-1 or SD-3, detail 93. To fill the entire panel in any door up to 72⅜" high. Furnished with no metal moulding, metal moulding room side, or metal moulding both sides. 1½" thick and fabricated of 18 gauge cold rolled steel.



model 173-B

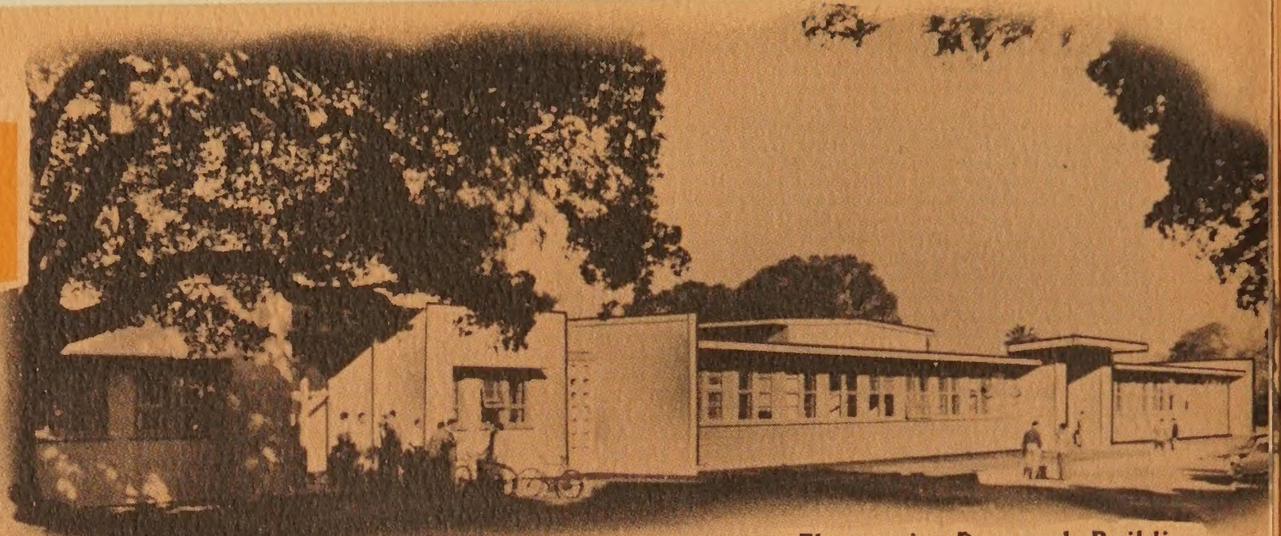
adjustable Panelouvre with removable key operator, model 173-B. All "D" series adjustable Panelouvres (also SD and PW) adaptable to operation by removable key operator. In many ventilating systems, it is desirable that blade adjustments be made only by qualified persons through the use of the removable key operator.

Hubbard

MU. 7-4719

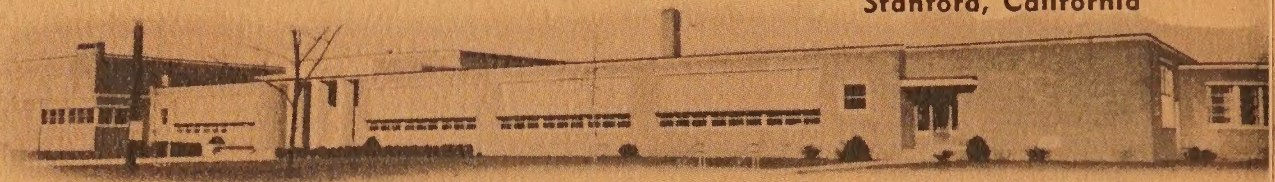
L. Reimer

Panelouvre®



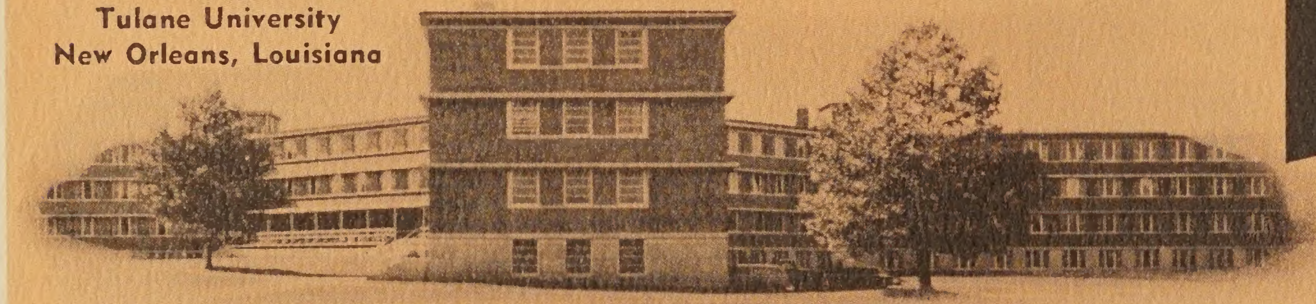
Electronics Research Building
Stanford University
Stanford, California

St. Edward High School
Lakewood, Ohio



D. A. Marshall Elementary School
Harrisburg, Pennsylvania

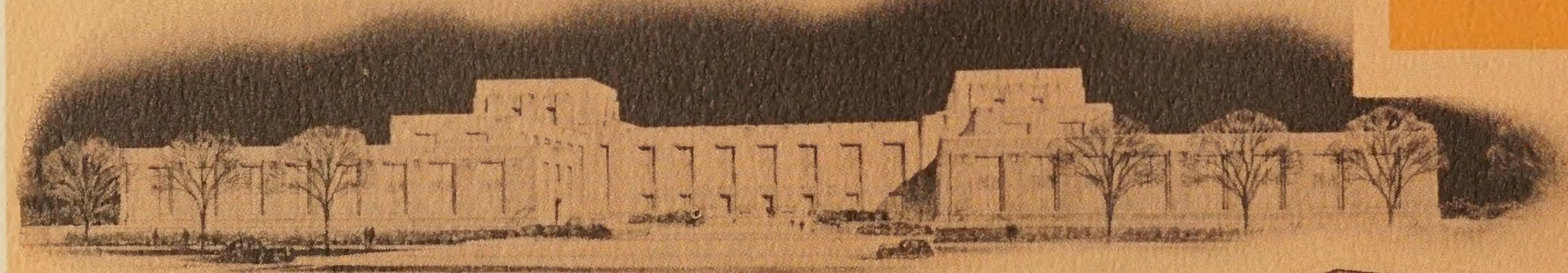
Zemurray Hall
Tulane University
New Orleans, Louisiana



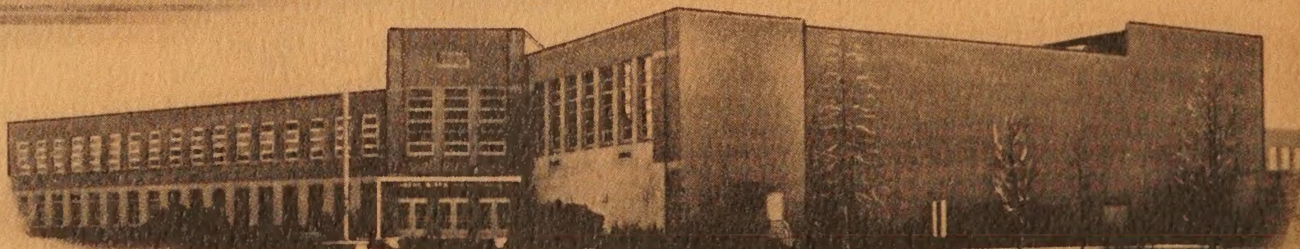
Men's Residence Hall
Purdue University
West Lafayette, Indiana

in MODERN SCHOOLS and DORMITORIES

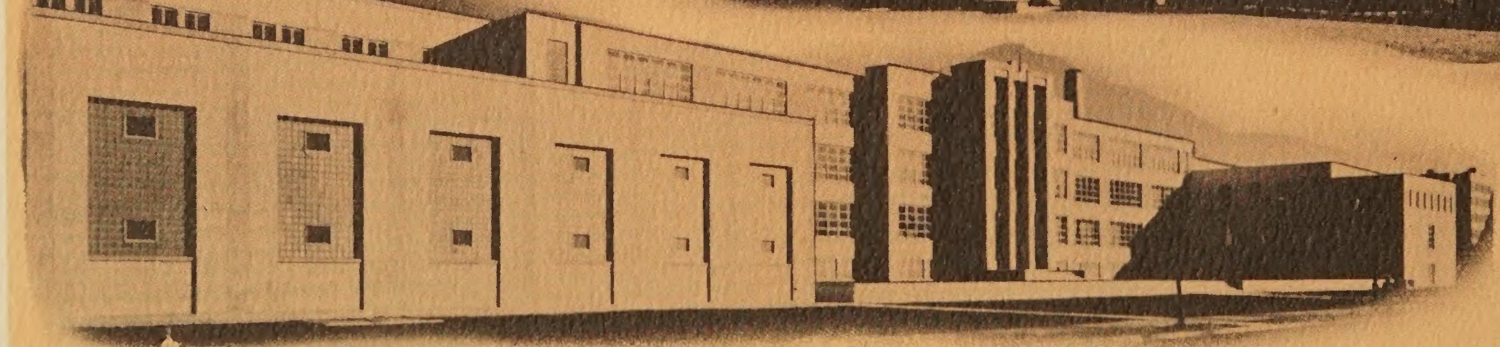
An ever increasing number of modern schools and universities are equipped with the Panelouvre to insure the finest ventilation in keeping with the latest architectural design.



Northwestern University
Technological Institute
Evanston, Illinois



Rocky River High School
Rocky River, Ohio



St. Casimir Academy
Chicago, Illinois

St. John Hospital
Detroit, Michigan

Harrisburg Polyclinic Hospital
Harrisburg, Pennsylvania

Southwest Florida Tuberculosis Hospital
Tampa, Florida

in MODERN HOSPITALS

In hospitals throughout the country, where superior ventilating systems are a necessity, the Panelouvre is the key to controlled air circulation.

Methodist Hospital
Houston, Texas

Johns Hopkins Hospital Addition
Baltimore, Maryland

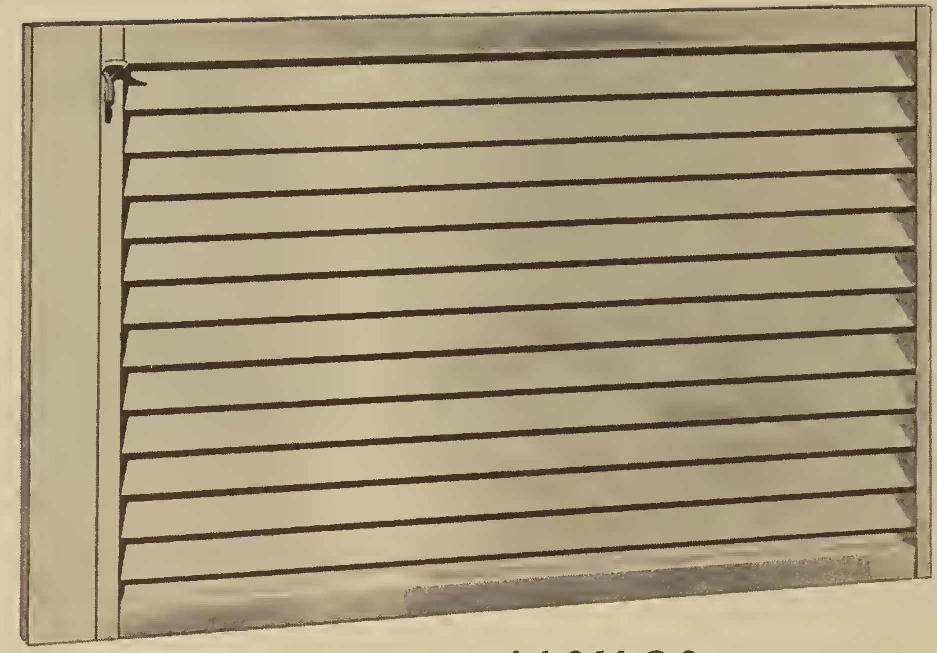
David P. Wohl, Jr. Memorial Hospital
Washington University
St. Louis, Missouri

Veterans Administration Hospital
Omaha, Nebraska

Greenville General Hospital Addition
Greenville, South Carolina

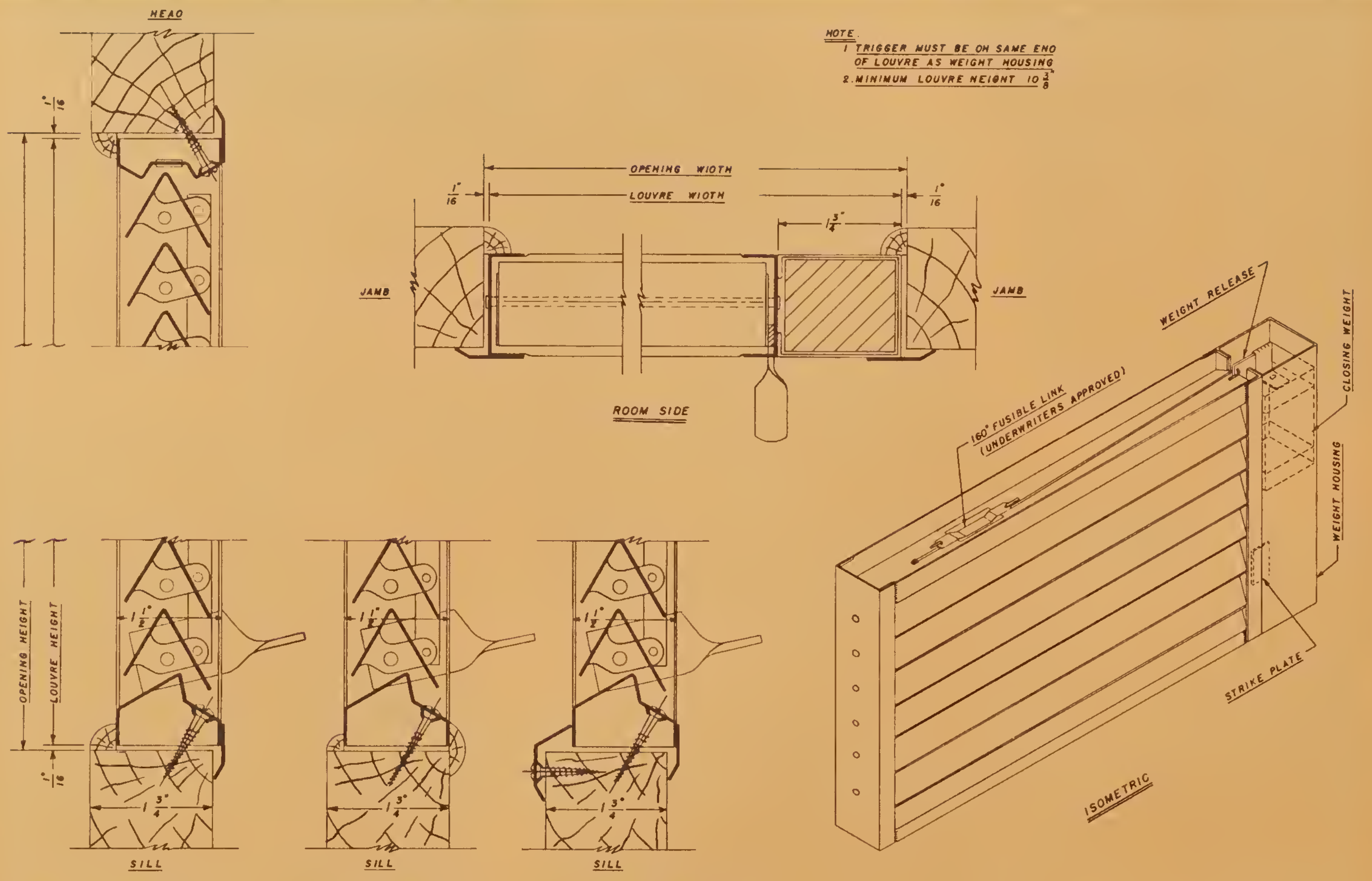
Ventilouvre has developed, over a period of many years, special designs and types to meet varied and unusual requirements. Tools and dies have been procured which permit us to offer Panelouvre designs of proved value which can be relied upon to meet varied requirements with a maximum of efficiency and smart appearance while keeping cost and time at a minimum.

Adjustable Panelouvres for Special Uses as described on these pages are readily adaptable to the sternest of job requirements. Although revisions in standard construction can be made, changes often bring about decreased operating efficiency, increased costs and delay.



model 264-C-2

Adjustable Panelouvre model 264-C-2 equipped with fusible link and automatic mechanism in encased housing. This Panelouvre offers protection against fire and smoke and is therefore quite often specified for installation in schools and hospitals, as well as other types of buildings.



model 264-C-1 **model 264-C-2** **model 264-C-3**

adjustable Panelouvre models 264-C-1, 264-C-2 or 264-C-3. Equipped with fusible link and automatic mechanism encased in 1¾" housing at side of Panelouvre. Adjustable blades close automatically in case of fire.

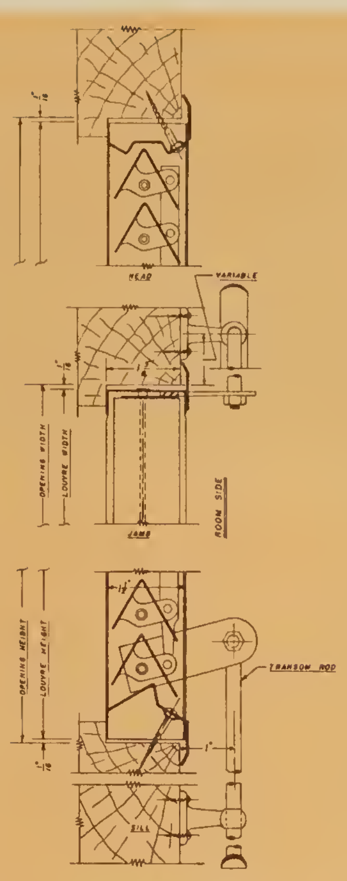
Furnished with no metal moulding, metal moulding room side, or metal moulding both sides. 1½" thick and fabricated of 18 gauge cold rolled steel. Minimum height is 10⅜".

Can be equipped with transom rod operator (see models T-1 and T-2, page 11).

Can be installed in walls as well as doors where small units are required. For heavy duty requirements see model 136-7, page 21.

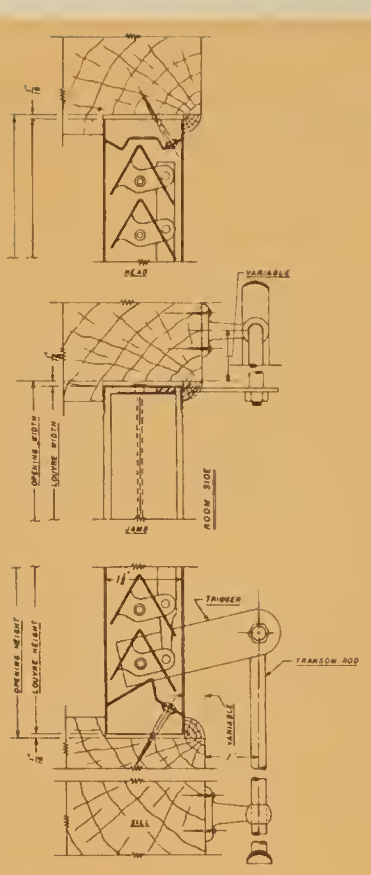
Panelouvre® adjustable models for special uses

Chrysler Building East, New York City, shown in center, is equipped with adjustable Panelouvre model 264-C-2 with enclosed fusible link and automatic mechanism.



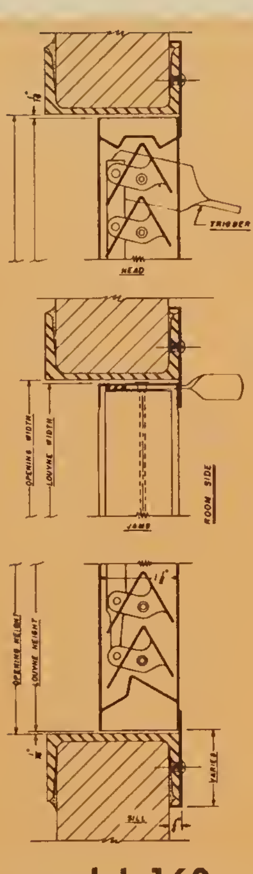
model T-1

adjustable Panelouvre model T-1, detail 40. Rod operated for transoms above doors. Furnished with metal moulding room side. 1½" thick and fabricated of 18 gauge cold rolled steel. May be equipped with fusible link mechanism identical to that furnished with model 264-C-2. (see page 10).



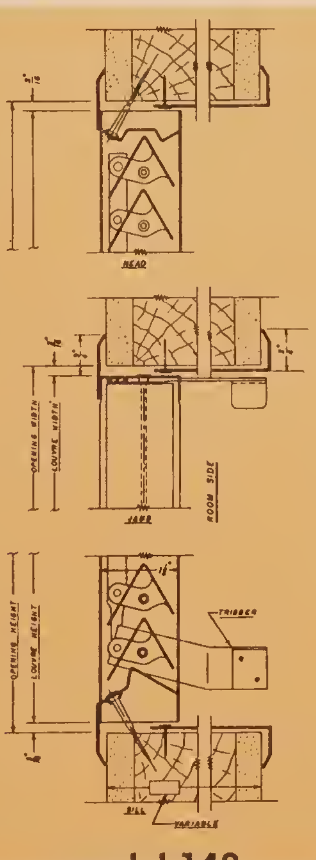
model T-2

adjustable Panelouvre model T-2, detail 42. Rod operated for transoms above doors. No metal moulding. Wood moulding furnished by others. 1½" thick and fabricated of 18 gauge cold rolled steel. May be equipped with fusible link mechanism identical to that furnished with model 264-C-2 (see page 10).



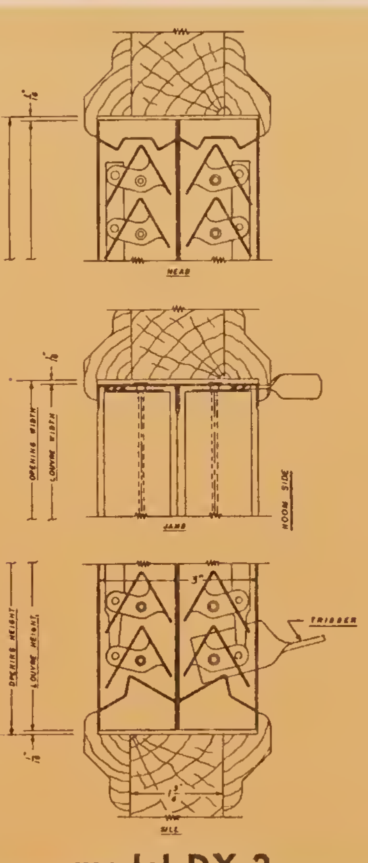
model 160

adjustable Panelouvre model 160. For interior and exterior walls of any thickness. Installed in conjunction with channel subframe furnished by others. Also available as stationary unit. 1½" thick and fabricated of 18 gauge cold rolled steel.



model 148

adjustable Panelouvre model 148. For interior and exterior walls of any thickness. Equipped with metal moulding both sides. Installed in conjunction with wood frame furnished by others. Also available as stationary unit. 1½" thick and fabricated of 18 gauge cold rolled steel.

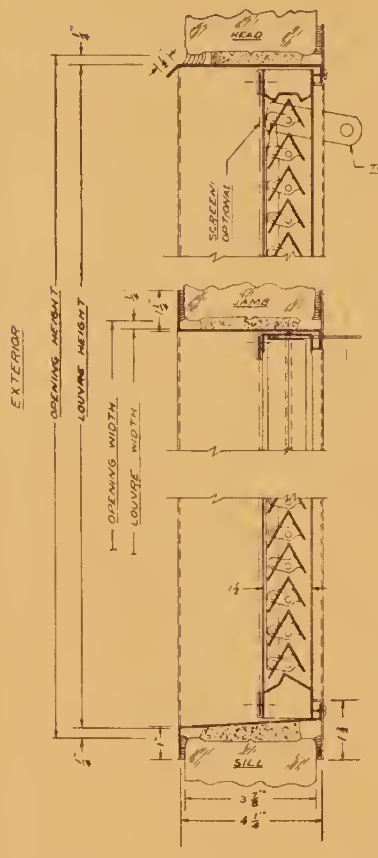


model DX-2

combination stationary and adjustable lightproof Panelouvre model DX-2, detail 45. No metal moulding. Wood moulding furnished by others. (model DX-4 available with metal moulding both sides). May be lead coated if desired. 3" thick and fabricated of 18 gauge cold rolled steel. To assure protection against light penetration, all lightproof Panelouvres are finished in dull black enamel.

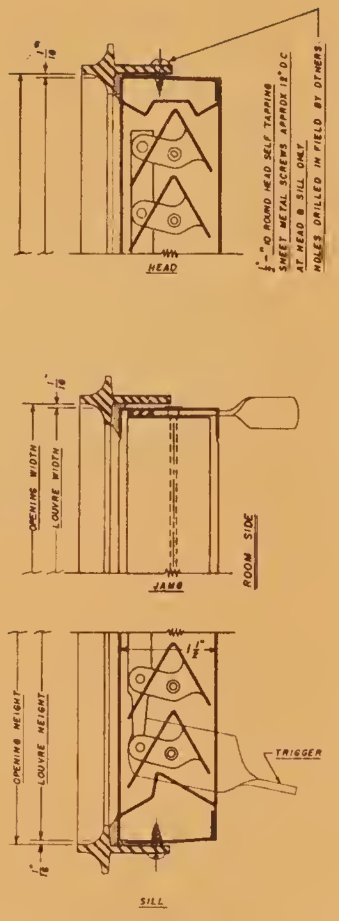
Panelouvre® adjustable models for special uses

Mary D. Mitchell School, Pittsfield Village, East Ann Arbor, Michigan. Note adjustable Panelouvres, model 132-C, installed in glass block walls.



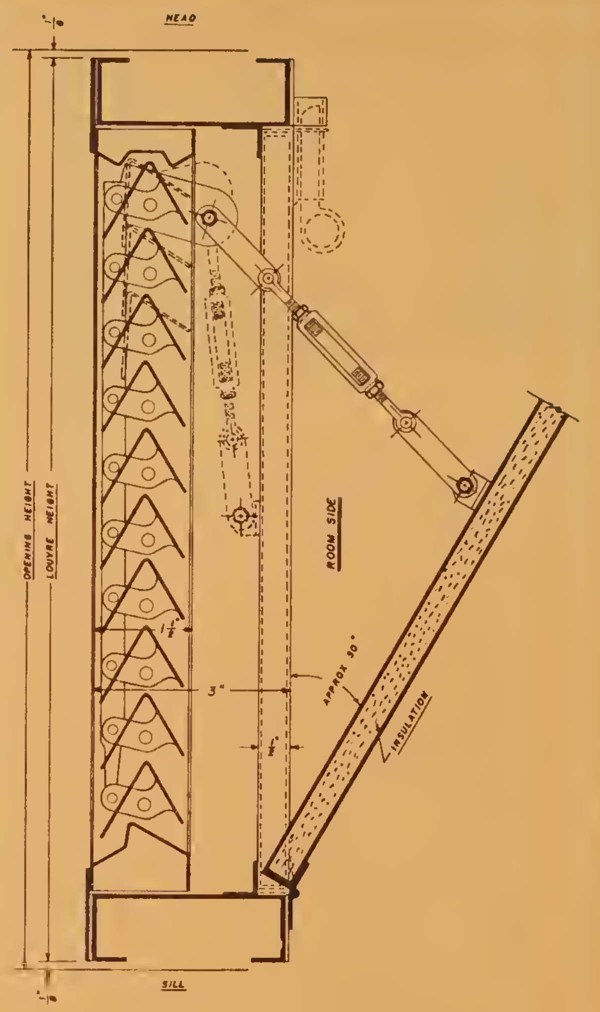
model 132-C

adjustable Panelouvre model 132-C. For glass block walls. Long legs of inverted "V" blades face exterior to provide maximum weather protection. Approved by glass block manufacturers. Furnished with loose frame for easy installation either during or after wall construction. Panelouvre 1½" thick, frame 4¼" thick. Fabricated of 18 gauge steel.


HEAD
¼" #10 ROUND HEAD SELF TAPPING SHEET METAL SCREWS APPROX 12" OC AT HEAD & SILL ONLY HOLES DRILLED IN FIELD BY OTHERS
OPENING WIDTH
LOUVRE WIDTH
JAMB
ROOM SIDE
OPENING HEIGHT
LOUVRE HEIGHT
TRIGGER
SILL

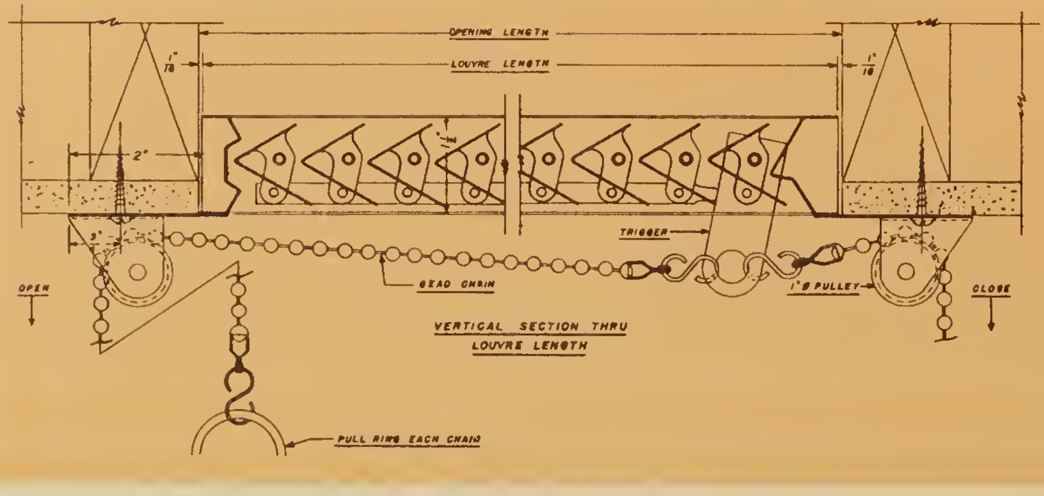
model 60-A

adjustable Panelouvre model 60-A (PW). For metal sash. Long legs of inverted "V" blades face exterior to provide maximum weather protection. 1½" thick and fabricated of 18 gauge steel.



model 241-C-1

adjustable Panelouvre model 241-C-1 with hinged insulation panel for added weather protection. Panel opens and closes simultaneously with adjustable blades of the Panelouvre. Complete unit 3" thick. Panelouvre fabricated of 18 gauge cold rolled or galvanized steel.



model 46-12

adjustable Panelouvre model 46-12. For ceiling ventilation. Furnished with flat flange one side and equipped with "open and close" drop chains for easy operation. 1½" thick and fabricated of 18 gauge cold rolled steel.

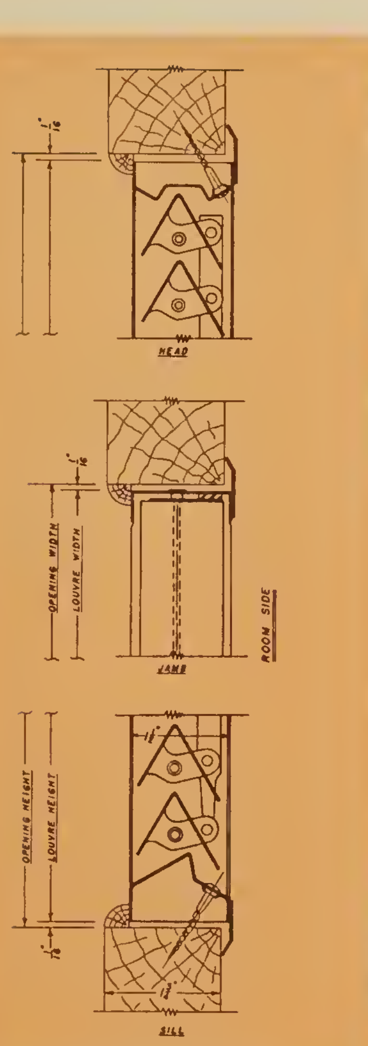
Panelouvre® stationary models for installation in doors and other small openings

The Stationary Panelouvre is primarily intended for those installations where a constant flow of air is essential. It is recommended for use in such places as kitchens, wash rooms, janitors' closets, supply rooms and linen closets.

Stationary Panelouvres are available in any width with units over 40″ wide made in two sections. Heights, for design reasons, are preferably held to multiples of 1″ plus ⅜″ (i.e. 10⅜″, 15⅜″, etc., as may be required). This applies only to models S-1, S-2, S-3 and S-4. If necessary, these Panelouvres can be supplied in other heights, (not larger), depending on opening sizes, at no additional cost.

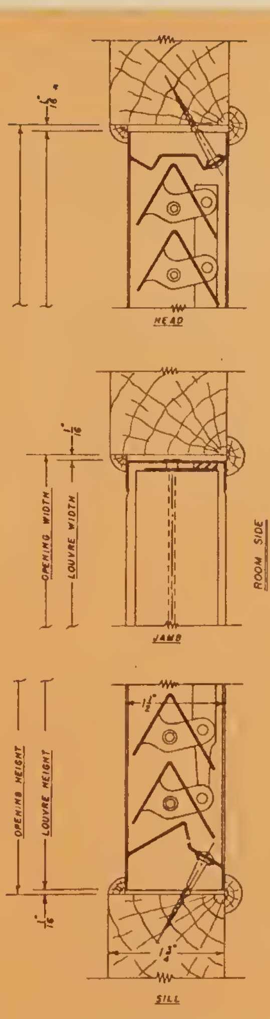
This section illustrates the many models which are available with varying stationary blade designs, mouldings and thicknesses.

This view of a corridor in The Methodist Hospital, Houston, Texas, illustrates the multiple uses of Stationary Panelouvres. All Panelouvres shown are model S-1 with metal moulding one side. Note the door at the left into which one complete unit, 27″ wide x 70-⅜″ high, has been installed.



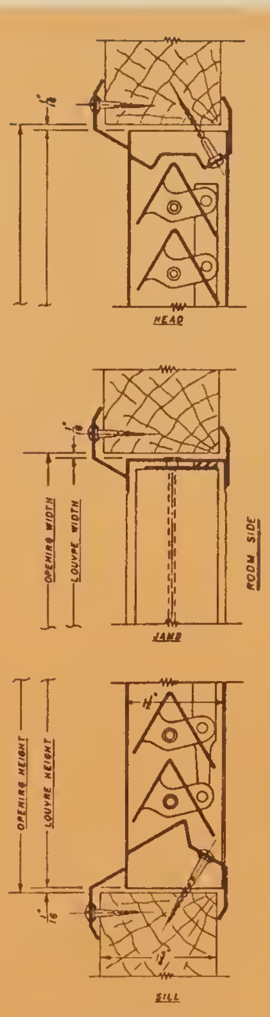
model S-1

stationary Panelouvre model S-1, detail 55. Furnished with metal moulding room side, wood moulding corridor side by others. 1½″ thick and fabricated of 18 gauge cold rolled steel.



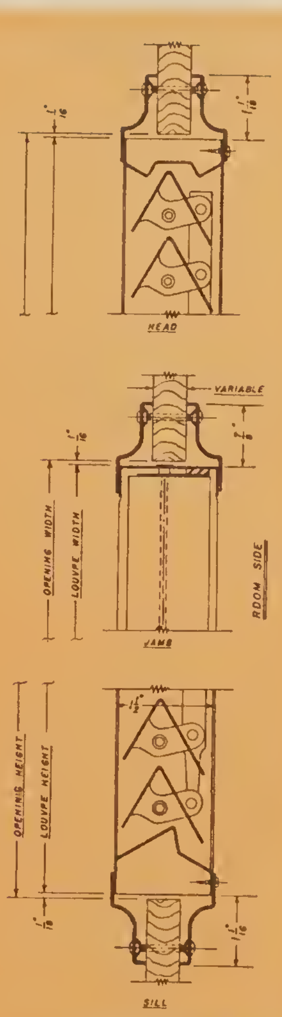
model S-2

stationary Panelouvre model S-2, detail 96. No metal moulding. Wood moulding furnished by others. 1½″ thick and fabricated of 18 gauge cold rolled steel.



model S-3

stationary Panelouvre model S-3, detail 90. Furnished with metal moulding for both room and corridor sides. Moulding for doors 1⅜, 1½ or 1¾ inches thick. 1½″ thick and fabricated of 18 gauge cold rolled steel.



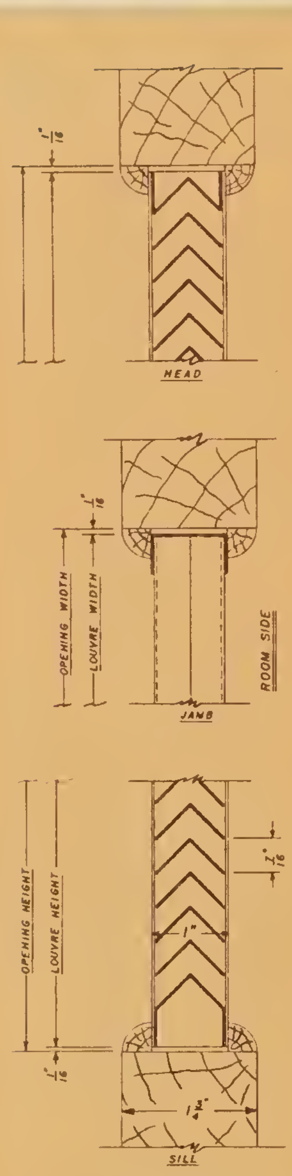
model S-4

stationary Panelouvre model S-4, detail 99. For use in thin panel doors. Mouldings furnished for 1/16″ to 7/8″ panel thickness. Panelouve mouldings 1¾″ greater in width and 2⅛″ greater in height than Panelouvre. Mouldings do not overlap door mouldings. 1½″ thick and fabricated of 18 gauge cold rolled steel.

Panelouvre® stationary models for installation in doors and other small openings

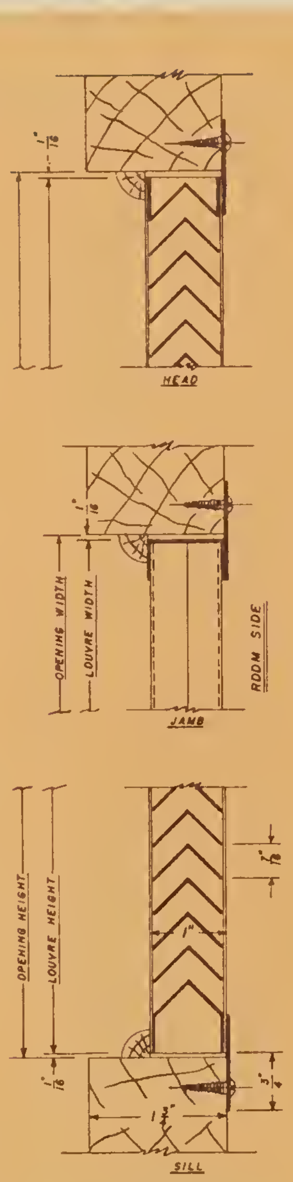
Stationary Panelouvre model S-3 with metal moulding both sides, as installed in doors at the Franklin Federal Savings and Loan Association Building, Wilkes-Barre, Pennsylvania.

Modern St. Edward High School, Lakewood, Ohio, is Ventilouvre equipped. This view shows stationary Panelouvres in corridor doors.



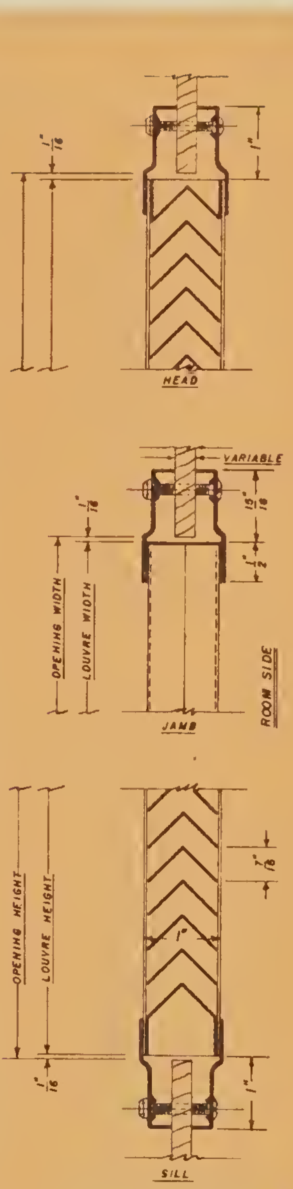
model 242

stationary inverted "V" blade Panelouvre model 242. No metal moulding. Wood moulding furnished by others. 1" thick and fabricated of 20 gauge cold rolled steel.



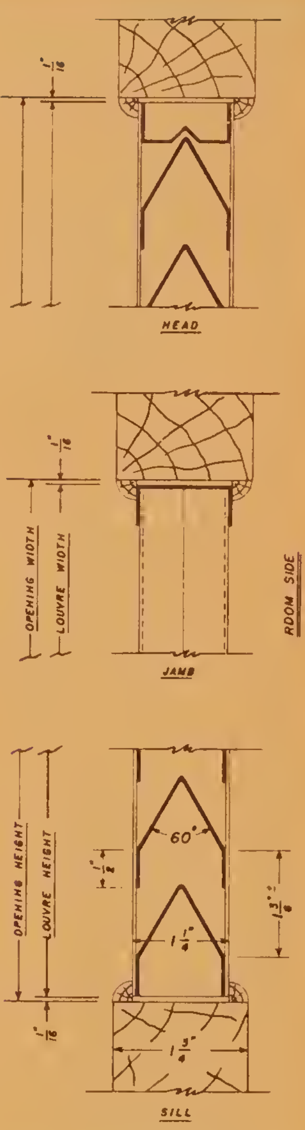
model 242-A-1

stationary inverted "V" blade Panelouvre model 242-A-1. Furnished with flat flange one side, wood moulding other side by others. 1" thick and fabricated of 20 gauge cold rolled steel.



model 242-A-4

stationary inverted "V" blade Panelouvre model 242-A-4. For use in thin panel doors. Mouldings furnished for ⅛" to ¾" panel thickness. 1" thick and fabricated of 20 gauge cold rolled steel.



model 67

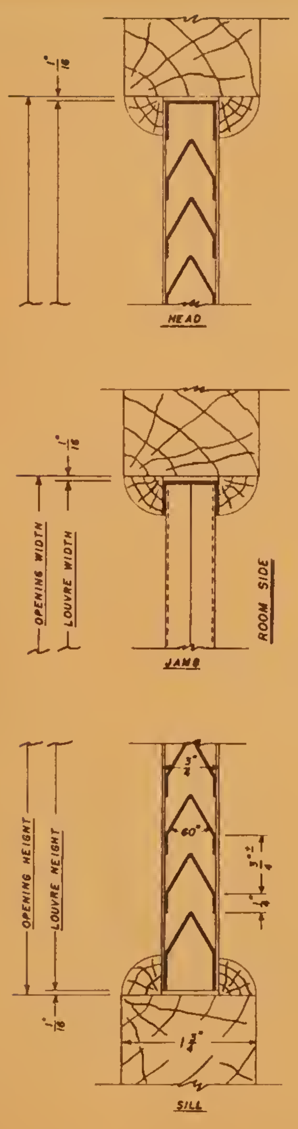
stationary inverted "V" blade Panelouvre model 67. 60° blades. No metal moulding. Wood moulding furnished by others. 1¼" thick and fabricated of 20 gauge cold rolled steel.

Panelouvre®

stationary models for installation in doors and other small openings

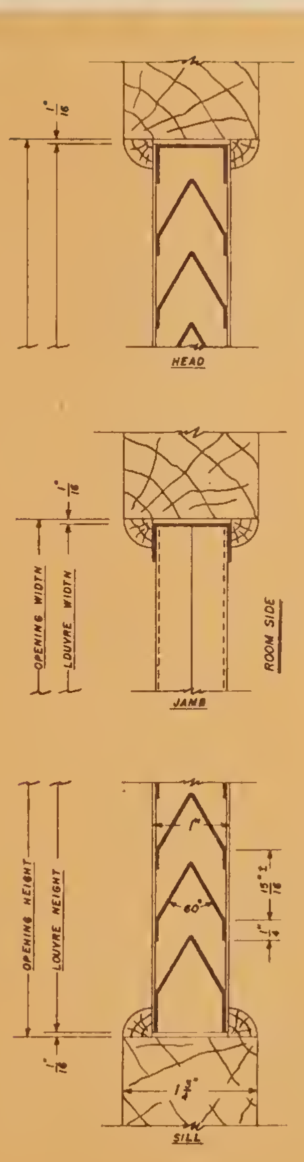
View of corridor in Medical Research Building, University of Michigan. Doors equipped with model S-3 stationary Panelouvres with metal moulding both sides.

Stationary Panelouvres, model S-1, insure constant ventilation through corridor doors. Above view at Rocky River High School, Rocky River, Ohio.



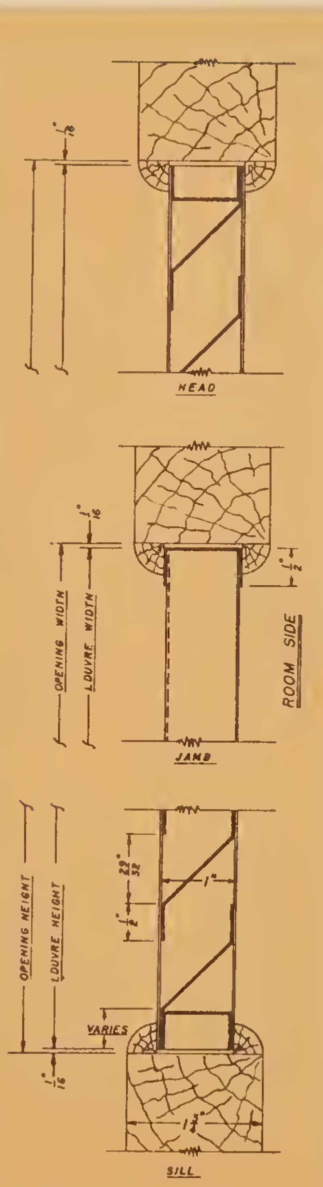
model 67-1

stationary inverted "V" blade Panelouvre model 67-1. Similar to model 67 but ¾" thick.



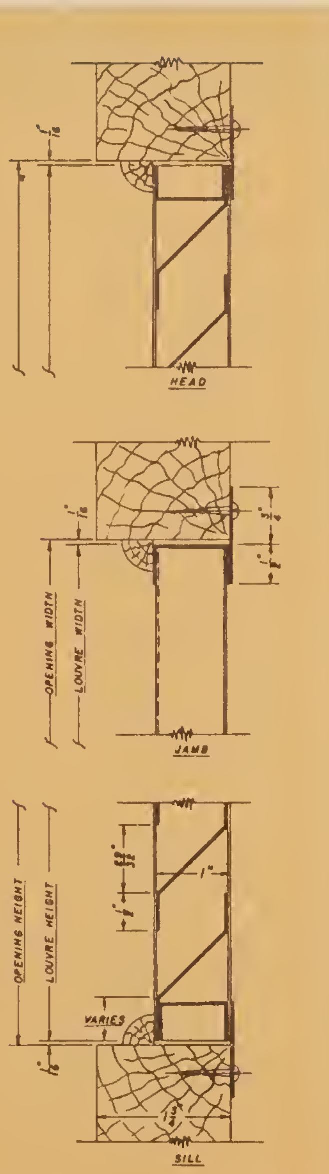
model 67-3

stationary inverted "V" blade Panelouvre model 67-3. Similar to model 67 but 1" thick.



model SZ, detail 103

stationary "Z" blade Panelouvre model SZ, detail 103. No metal moulding. Wood moulding furnished by others. 1" thick and fabricated of 20 gauge cold rolled steel.



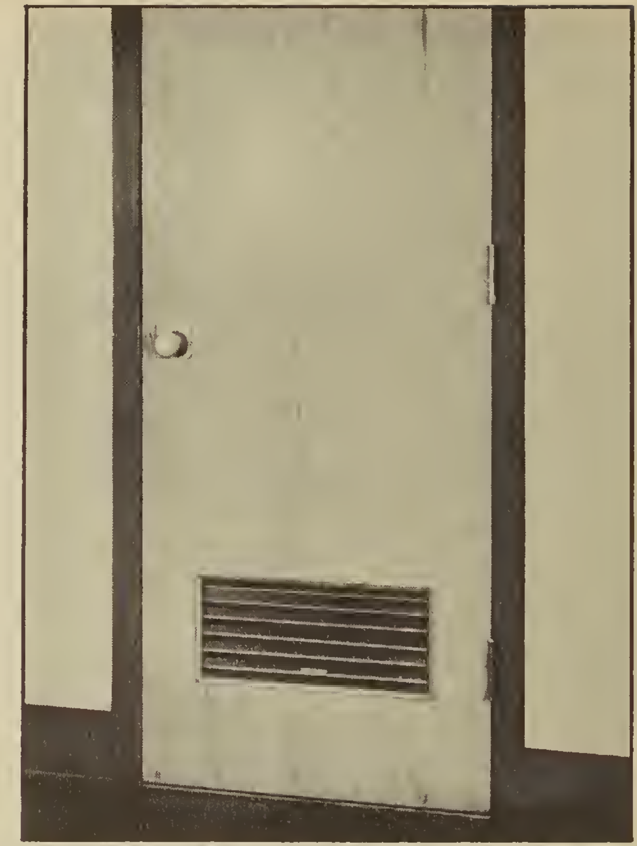
model SZ-1, detail 103-1

stationary "Z" blade Panelouvre model SZ-1, detail 103-1. Permanent flat flange on room side. Wood moulding corridor side by others. 1" thick and fabricated of 20 gauge cold rolled steel.

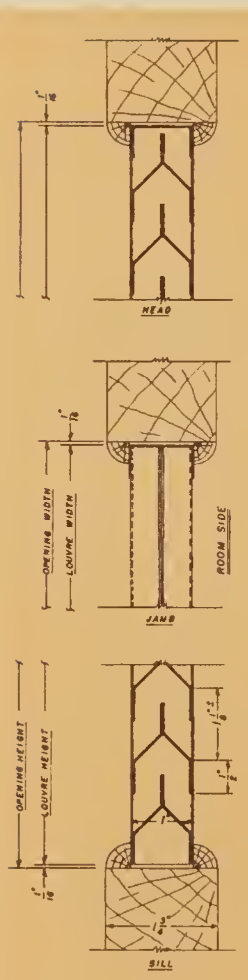
Panelouvre®

stationary models for installation in doors and other small openings

View of "Cafetorium" corridor wall, Field City School, Farmers Branch, Texas. Note single stamped hooded Panelouvres, model 178-2, at base of wall and combination ball bearing and stationary leakproof Panelouvres, model 260, above.

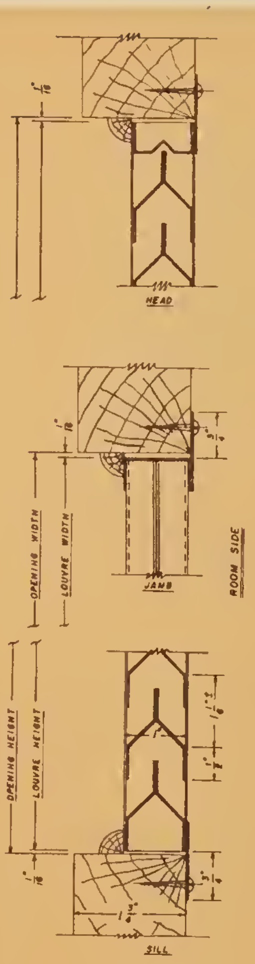


Model SZ, detail 103 stationary Panelouvre as installed in washrooms at Harrisburg Polyclinic Hospital.



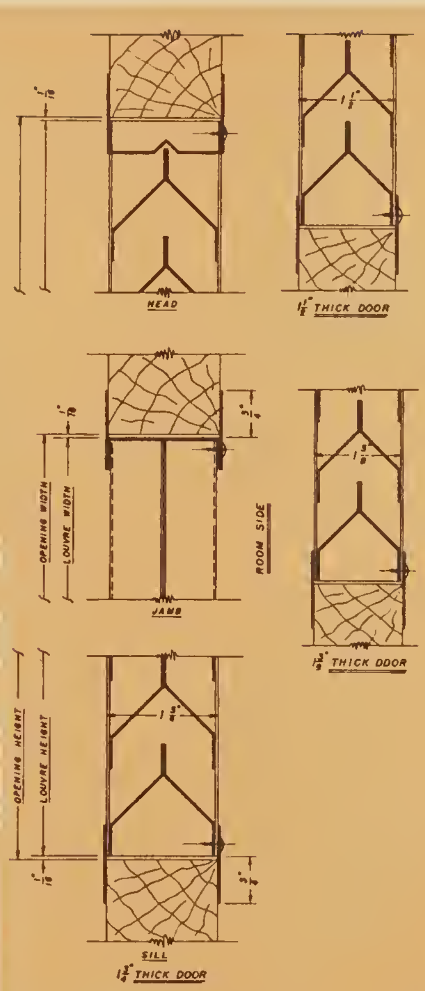
model 188-1

stationary "Y" blade Panelouvre model 188-1. No metal moulding. Wood moulding furnished by others. 1" thick and fabricated of 20 gauge cold rolled steel.



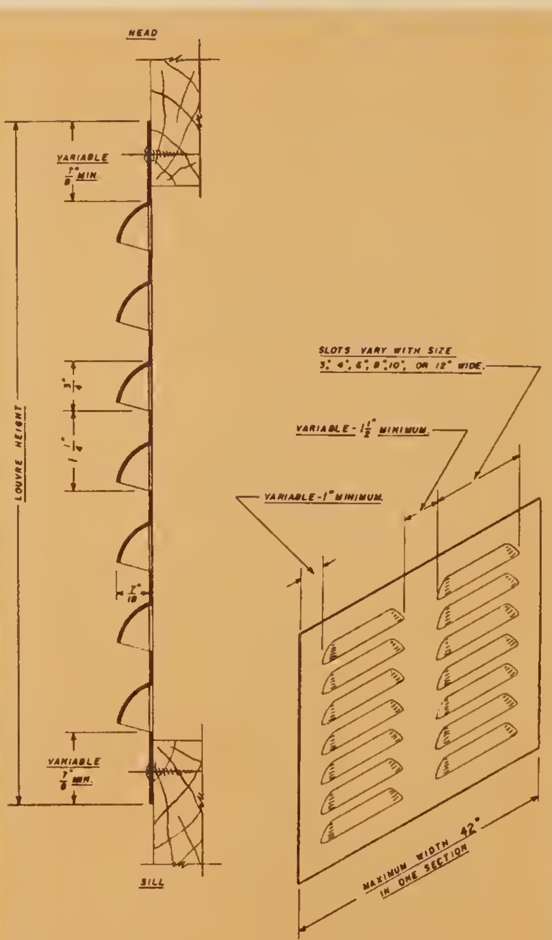
model 188-A-1

stationary "Y" blade Panelouvre model 188-A-1. Permanent flat flange on room side. Wood moulding corridor side by others. Otherwise similar to model 188-1.



model 190

stationary "Y" blade Panelouvre model 190. Permanent flat flange corridor side, removable flat flange room side. For doors 1¾, 1½ or 1⅜ inches thick. Special moulding available at additional charge for doors of other thicknesses. 1¾, 1½ or 1⅜ inches thick and fabricated of 20 gauge cold rolled steel.



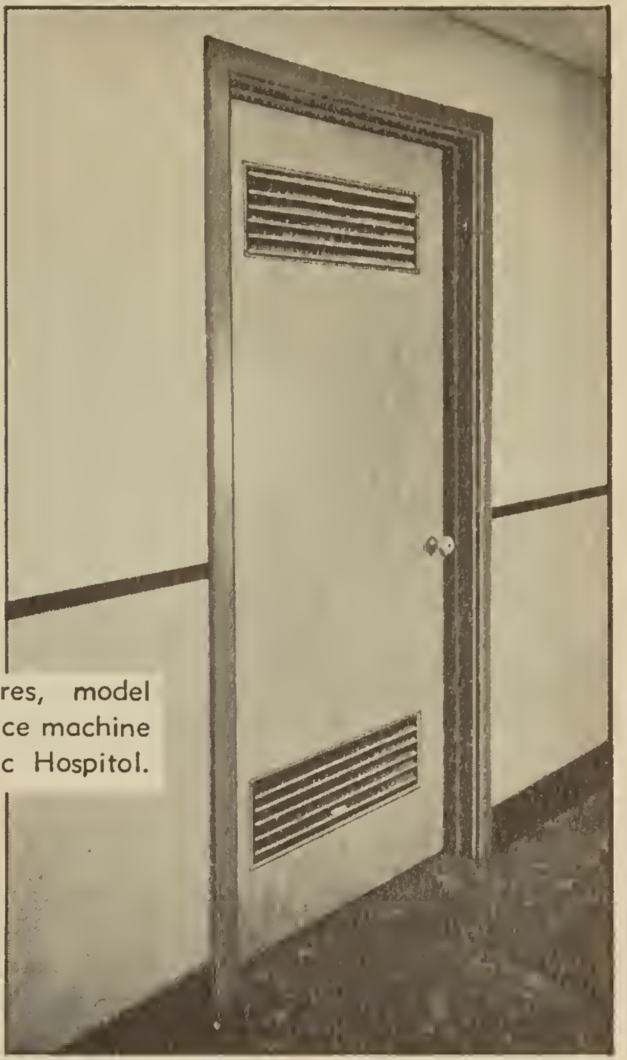
model 178-2

single stamped hooded Panelouvre model 178-2. Fabricated of 16 or 18 gauge cold rolled steel.

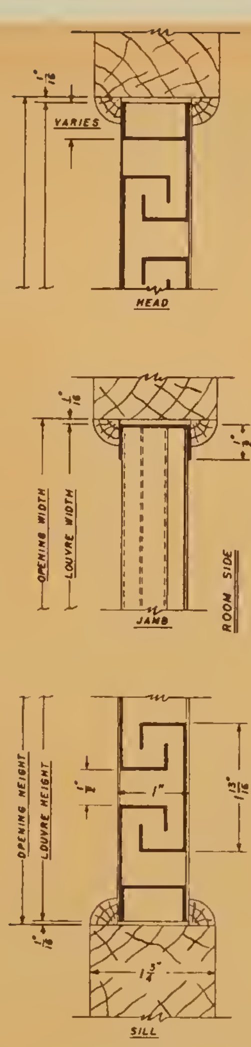
Panelouvre®

stationary models for installation in doors and other small openings

Typical installation of model 124 stationary lightproof Panelouvre, The Methodist Hospital, Houston, Texas.

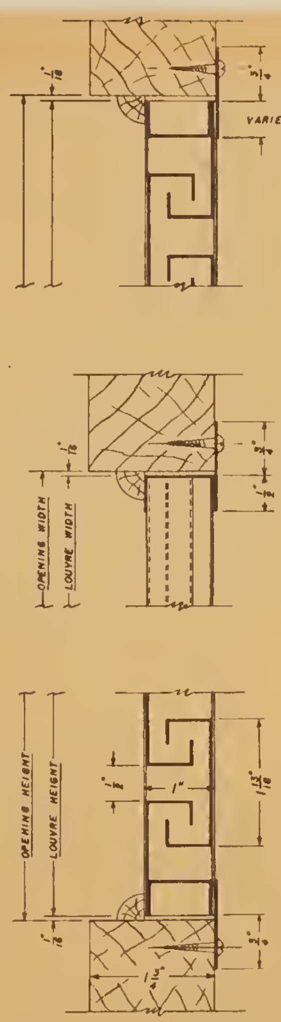


Two stationary Panelouvres, model SZ, detail 103, in door of ice machine room, Harrisburg Polyclinic Hospital.



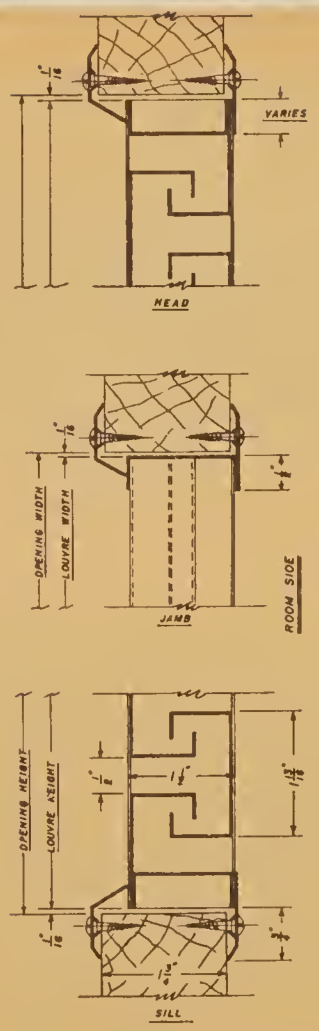
model 124

stationary lightproof Panelouvre model 124. For x-ray and dark rooms. No metal moulding. Wood moulding furnished by others. To assure protection against light penetration, all lightproof Panelouvres are finished in dull black enamel. May be lead coated if desired. 1" thick and fabricated of 20 gauge cold rolled steel.



model 124-1

stationary lightproof Panelouvre model 124-1. Permanent flat flange on room side. Wood moulding corridor side by others. Otherwise similar to model 124.



model 124-2

stationary lightproof Panelouvre model 124-2. Permanent moulding room side, removable moulding corridor side. For doors 1⅜, 1½ or 1¾ inches thick. Otherwise similar to model 124.

Panelouvre®

The Congress Hotel
Salt Lake City, Utah

Hermann Professional Building
Houston, Texas

Hillsborough County Court House
Tampa, Florida

in MODERN HOTELS and OFFICE BUILDINGS

The Laurentien Hotel
Montreal, Canada

Office Building, 575 Madison Avenue
New York City

The Panelouvre is used in the finest hotels and the most modern offices, or wherever ventilating efficiency is needed to assure comfort and convenience.

The Rice Hotel
Houston, Texas

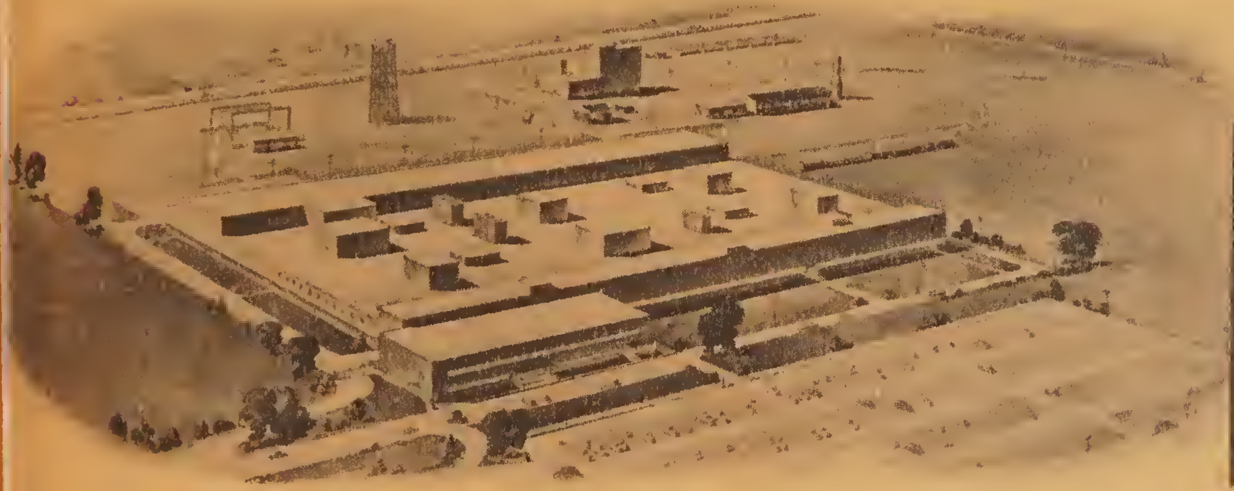
Lord Elgin Hotel
Ottawa, Canada

International Trade Mart
New Orleans, Louisiana

Commercial Petroleum
and Transport Company
Houston, Texas

Walter C. Beckjord Station
Cincinnati Gas & Electric Company
Clermont, Ohio

Friendship International Airport
Baltimore, Maryland



Caterpillar Tractor Company
York, Pennsylvania

in INDUSTRY THROUGHOUT the COUNTRY

Panelouvre designs are relied upon to meet industry's varied heavy duty requirements in some of the largest industrial plants in the country.

Westinghouse Electric Corporation
Baltimore, Maryland

Terry Dairy Products Company
Little Rock, Arkansas

Omaha Public Power District, Main Plant
Omaha, Nebraska

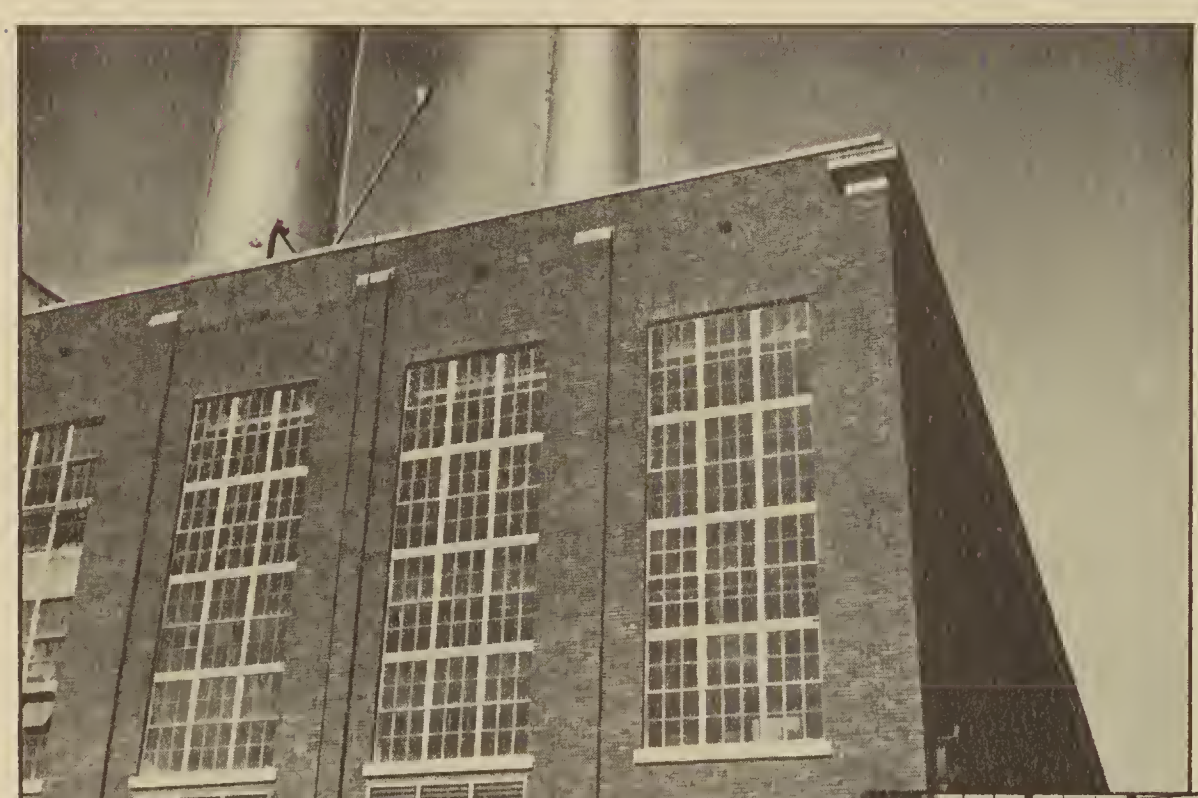
Riverbank Ordnance Plant
Riverbank, California

for INDUSTRIAL and other HEAVY DUTY REQUIREMENTS

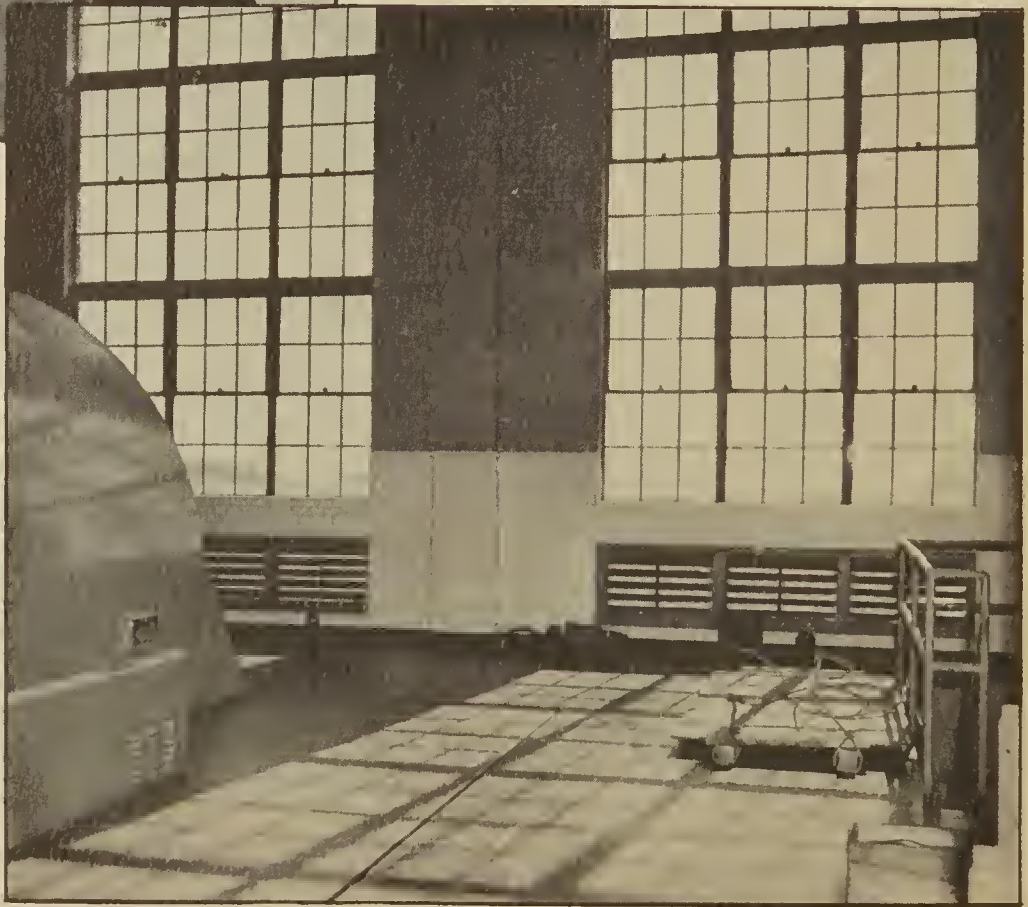
Heavy Duty Panelouvre designs have been developed over a period of many years as the result of direct and wide experience in designing and fabricating louvres to meet the varied heavy duty requirements of industry throughout the country. Wherever installations have required louvres to meet the problem of industrial ventilation—in exterior walls, ceilings, sky-lights, ducts or elsewhere for inlet or outlet pressure changes—Panelouvre designs have solved this problem.

Panelouvre designs of proved value can be relied upon to meet industry's varied requirements with a maximum of efficiency and smart appearance while keeping cost and time at a minimum. Recognizing, however,. that circumstances may demand special types and designs, Ventilouvre is well equipped to meet varied and unusual requirements. The tools, dies and manufacturing facilities of Ventilouvre insure flexibility permitting ready fabrication of special types and designs when necessary. The additional time and expense involved are the result of engineering design, laboratory development work, tests and procurement of new tools and dies. Believing that Panelouvre types and designs are varied enough to meet the most rigid of requirements, The Ventilouvre Co., Inc. is, nevertheless, ready to put complete and easily available facilities to the task of meeting the most unusual problems of industrial ventilation.

Standard adjustable and stationary industrial Panelouvre designs are detailed and described on the following pages. Pages 21 through 24 describe Adjustable Ball Bearing Panelouvres and indicate the variation of design and variety of uses to which they may be put. Popular Heavy Duty Stationary Panelouvres are illustrated on page 25, while the remaining pages of this section illustrate Combination Stationary and Adjustable Panelouvres and Automatic Panelouvres which are widely used throughout industry.



Bayboro Power Plant, Florida Power Corporation, St. Petersburg, Florida. Adjustable Ball Bearing Panelouvres, model 136-7, installed under windows.



Interior view of same Ball Bearing Panelouvres shown in exterior view above.

Panelouvre® ball bearing models and accessories

The Ball Bearing Panelouvre, model 136-7, is available in any size desired. Tested design and sturdy construction insure maximum strength and rigidity under all conditions. The blade construction prevents buckling and distortion. Panelouvre design provides maximum strength and durability while assuring minimum weight and size.

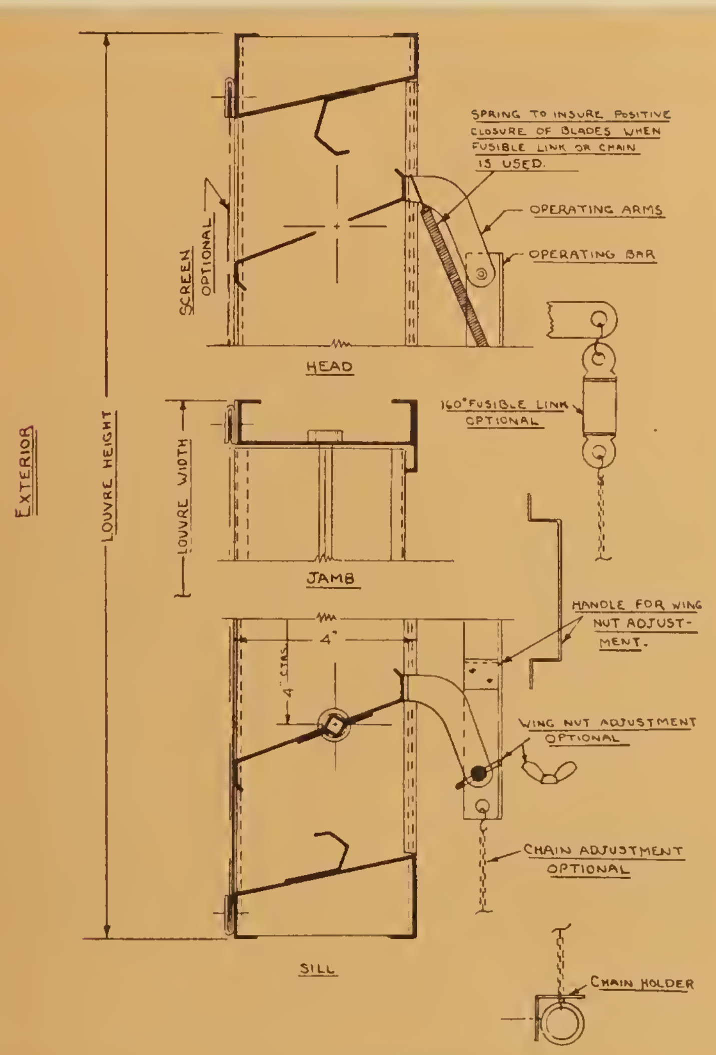
Units over 72 inches wide or high are usually formed of sections joined by vertical or horizontal mullions, each section being equipped with an individual operator. When practical, individual sections can be made slightly higher than 72 inches without horizontal mullions.

Hand or chain operated, the blades of the Ball Bearing Panelouvre can be placed in any desired position from completely closed to fully open. Units are equipped, as required, with either wing nuts and handholds or chains and wall brackets. Connecting arms can be furnished for use with motor or crank operation.

Strong, corrosion resistant stainless steel bearings, mounted in cadmium plated races, provide easy, positive and uninterrupted operation. Steel, bronze or other metal pivots and bearings are available, when desired.

Adjustable Ball Bearing Panelouvre model 136-7 installed in Hose Tower of Fire House #4, Fresno, California. Complete unit 95¾" wide x 311¾" high, made in ten sections joined by one vertical and four horizontal mullions.

Note Stationary Panelouvre model S-3 in Kalamein door below Ball Bearing unit.


SPRING TO INSURE POSITIVE CLOSURE OF BLADES WHEN FUSIBLE LINK OR CHAIN IS USED.
OPERATING ARMS
OPERATING BAR
SCREEN OPTIONAL
HEAD
160° FUSIBLE LINK OPTIONAL
EXTERIOR
LOUVRE HEIGHT
LOUVRE WIDTH
JAMB
HANDLE FOR WING NUT ADJUSTMENT.
4"
4" CTRS.
WING NUT ADJUSTMENT OPTIONAL
CHAIN ADJUSTMENT OPTIONAL
SILL
CHAIN HOLDER

model 136-7

Normally fabricated of 16 gauge cold rolled or galvanized steel, Ball Bearing Panelouvres can also be made of corresponding gauges and weights of other metals such as 14 gauge aluminum and 48 ounce cold rolled copper.

Insect and bird screen in our standard folded removable frame can be attached on exterior side of the Panelouvre. See page 30.

When required, the Ball Bearing Panelouvre is fitted with fusible link for fire resistance. Fusible links approved by the National Board of Fire Underwriters do not hinder manual operation at any time.

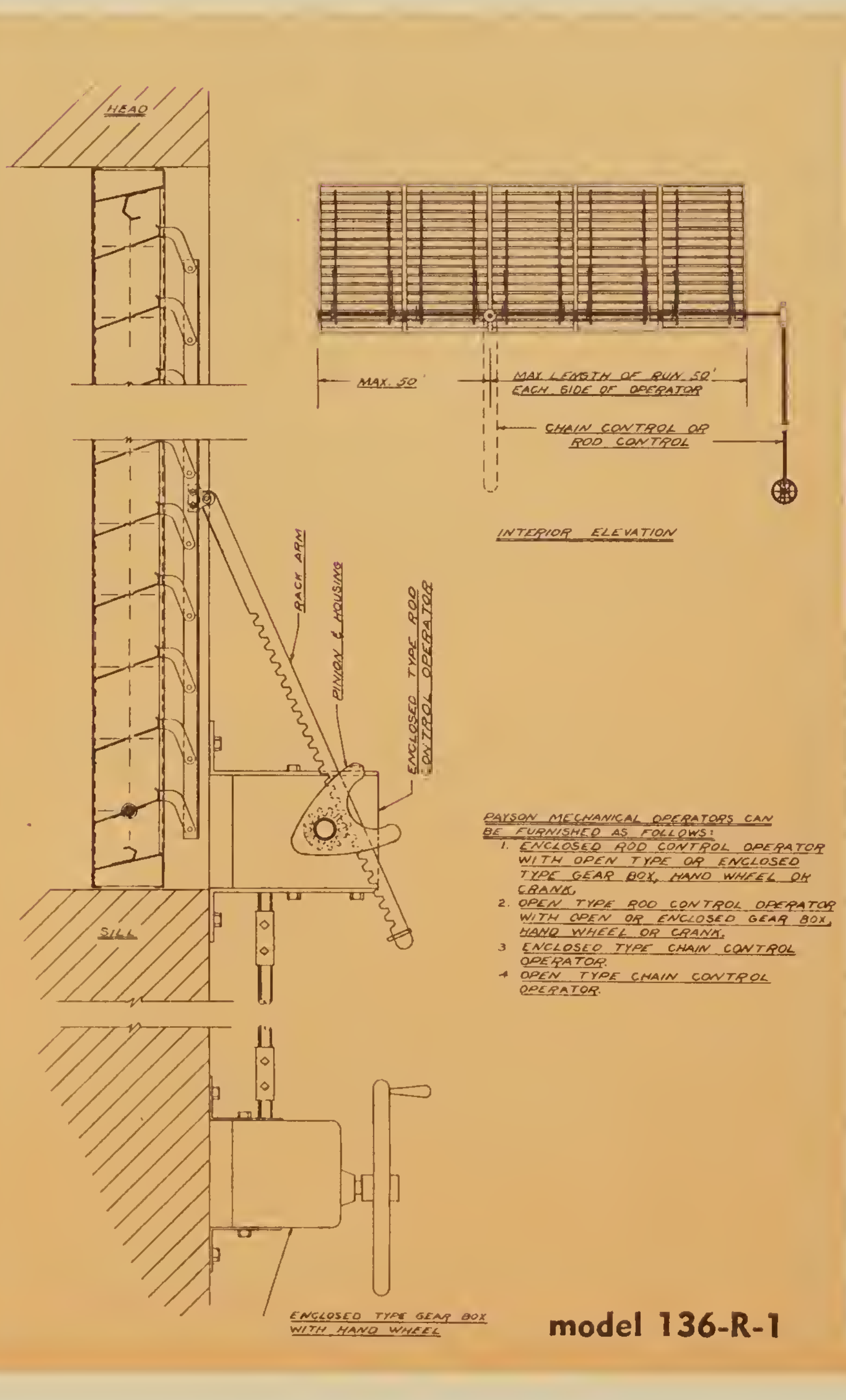
Panelouvre®

for industrial use ball bearing, mechanical or motor operated

Large industrial installations often require simultaneous mechanical operation of long runs or high banks of the Ball Bearing Panelouvre. Such requirements are met by the use of model 136-R-1 Ball Bearing Panelouvre for mechanical operation as illustrated on this page.

Also illustrated on this page is the popular Ball Bearing Panelouvre for motor operation, model 136-R-2, which is widely used where industrial installations make blade adjustment by motor desirable. This model makes possible push button control of blade operation, as well as automatic temperature adjustments when used in conjunction with thermostats.

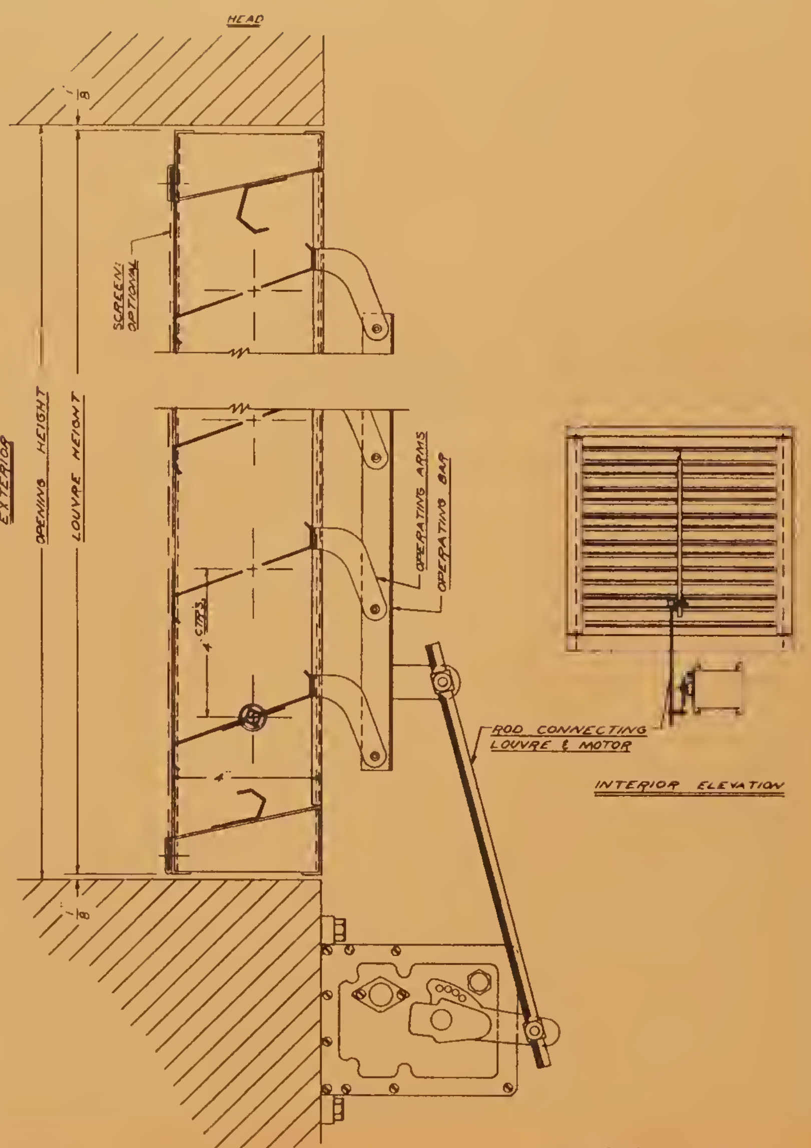
All Ball Bearing Panelouvre models may be adapted to mechanical or motor operation.


HEAD
SILL
RACK ARM
PINION & HOUSING
ENCLOSED TYPE ROD CONTROL OPERATOR
MAX. 50'
MAX LENGTH OF RUN 50' EACH SIDE OF OPERATOR
CHAIN CONTROL OR ROD CONTROL
INTERIOR ELEVATION
ENCLOSED TYPE GEAR BOX WITH HAND WHEEL

PAYSON MECHANICAL OPERATORS CAN BE FURNISHED AS FOLLOWS:

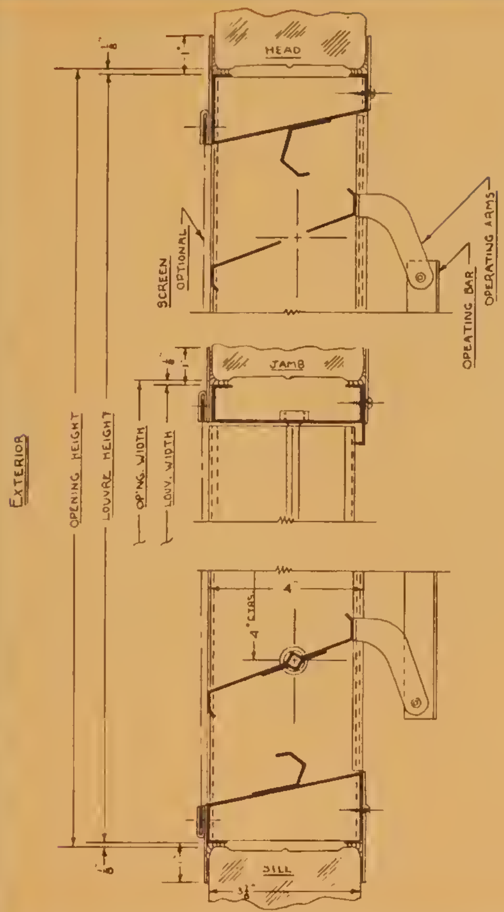
1. ENCLOSED ROD CONTROL OPERATOR WITH OPEN TYPE OR ENCLOSED TYPE GEAR BOX, HAND WHEEL OR CRANK.
2. OPEN TYPE ROD CONTROL OPERATOR WITH OPEN OR ENCLOSED GEAR BOX, HAND WHEEL OR CRANK.
3. ENCLOSED TYPE CHAIN CONTROL OPERATOR.
4. OPEN TYPE CHAIN CONTROL OPERATOR.

model 136-R-1



model 136-R-2

Panelouvre® for industrial use ball bearing models



model 136-C-10

ball bearing Panelouvre for glass block walls, model 136-C-10. Removable flat flange one side, permanent flat flange other side, to permit installation in glass block wall either during or after construction. Otherwise similar to model 136-7 (see page 21).

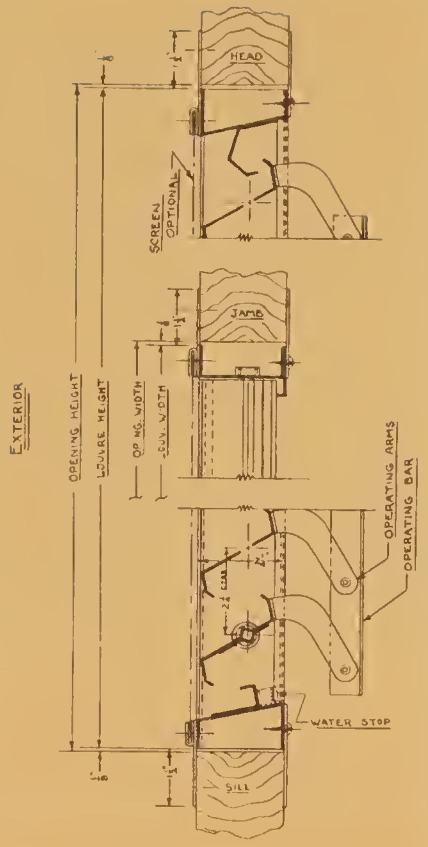
4" thick and fabricated of 16 gauge cold rolled or galvanized steel. Also available in aluminum, copper and other metals of similar thickness.

model 136-C-19

ball bearing Panelouvre model 136-C-19. Note 2¼" thickness to permit installation in large, industrial type doors and walls or partitions where the standard 4" thick ball bearing Panelouvre is not adaptable.

Otherwise similar to model 136-7 (see page 21), except for blades on 2¼" centers.

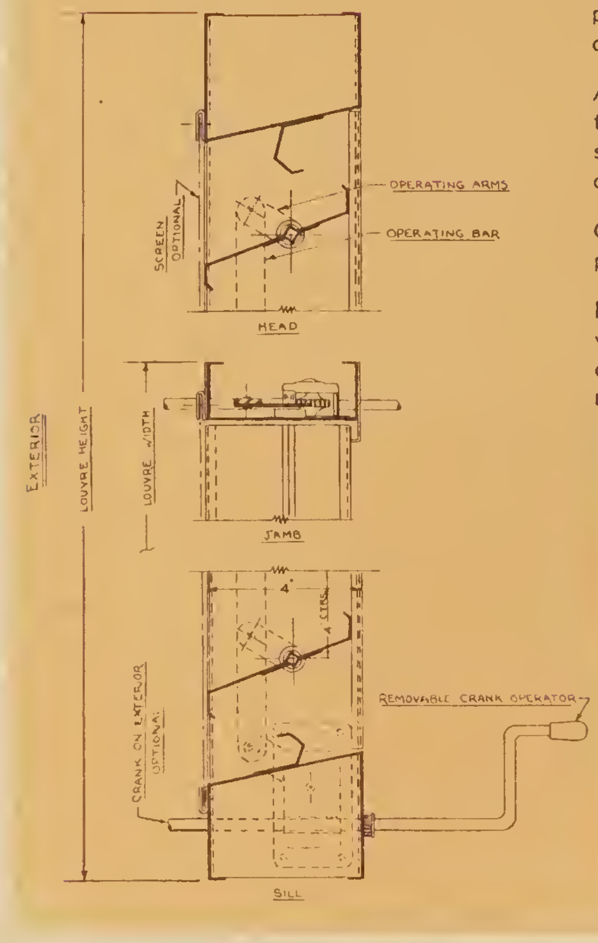
Fabricated of 16 gauge cold rolled or galvanized steel. Also available in aluminum, copper and other metals of similar thickness.



Fire House #4, Fresno, California. Architects throughout the country have learned to rely on the Panelouvre for superior ventilation and design that readily lends itself to the over-all architectural plan.

Panelouvre® for industrial use ball bearing models

model 136-D-20



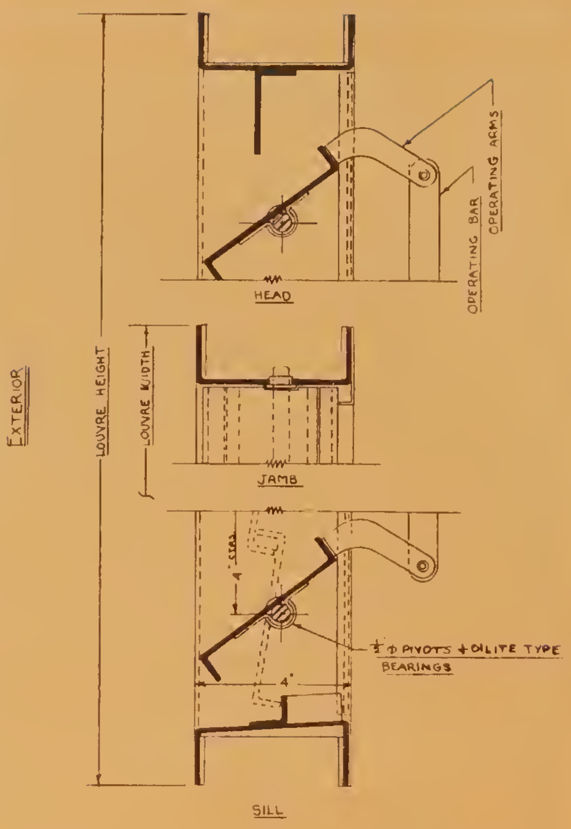
ball bearing Panelouvre model 136-D-20. Note removable crank operator and completely encased operating mechanism to prevent tampering. Can be adapted for crank operation from exterior.

Absence of operating bar extension on interior face of unit permits attachment of screen in standard folded removable frame on interior as well as exterior.

Otherwise similar to model 136-7. (see page 21).

Fabricated of 16 gauge cold rolled or galvanized steel. Also available in aluminum, copper and other metals of similar thickness.

model 250-D-1



adjustable oilite bearing Panelouvre model 250-D-1. Especially heavy adjustable Panelouvre fabricated of either 10 or 12 gauge cold rolled or galvanized steel as is sometimes specified for extraordinary rough usage.

Standard is 4" thick. Can be made thicker if desired.

Adaptable to same methods of operation as model 136-7 (see page 21). Can be equipped with weight and pulley to replace spring return. Available with fusible link arrangement.

The majority of requirements for adjustable wall louvres can be fulfilled by use of model 136-7 thus avoiding the increased weight and cost. However, model 250-D-1 offers unmatched service under conditions involving extremely rough usage.

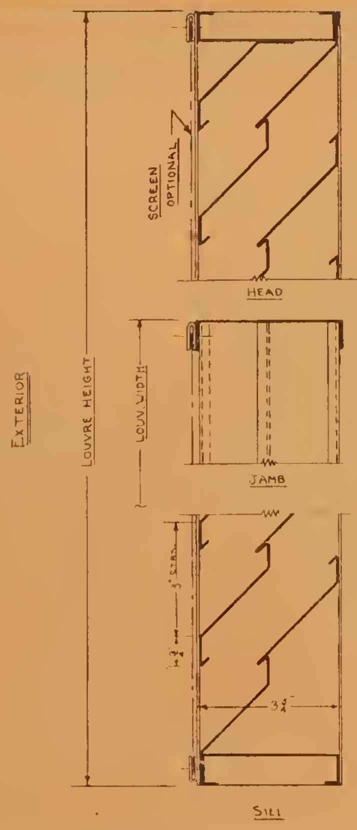
Cold Roll Mill, Ford Motor Company, Dearborn, Michigan. These large Stationary Leakproof Panelouvres, model 176-B (see page 25), help combat high temperatures in mills such as this by assuring a constant source of fresh air.

Panelouvre®

for industrial use stationary models

Panelouvre heavy duty models are not restricted to industrial use. This view shows Stationary Leakproof Panelouvres, model 176-B, fabricated of 22 gauge aluminum, as installed in Boone Park School, North Little Rock, Arkansas.

This close-up view shows model 209 Stationary Panelouvre at the top of a chimney in D. A. Marshall Elementary School, Harrisburg, Pennsylvania.



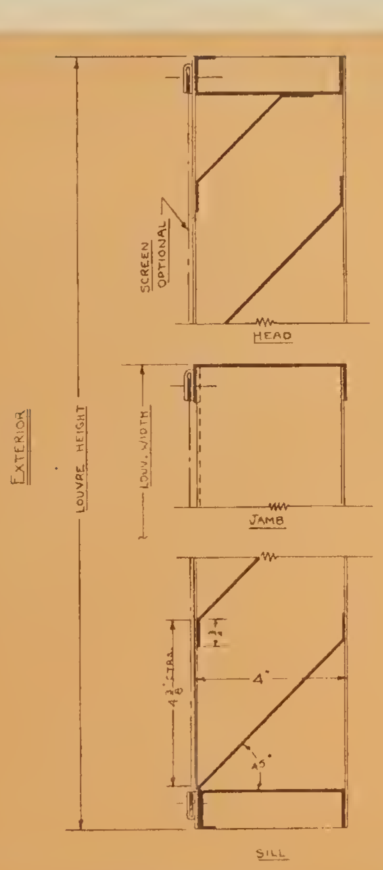
model 176-B

leakproof Panelouvre for exterior walls, model 176-B. Leakproof design assures protection from rain and snow while providing excellent ventilation.

3¾" thick and fabricated of 26 gauge galvanized steel, 22 gauge aluminum or 16 ounce copper. The folded blade construction assures the more than adequate strength and rigidity of units fabricated of these metals.

Can be fabricated of 16 gauge cold rolled or galvanized steel, 14 gauge aluminum or 48 ounce copper with slight changes in construction.

Maximum section widths and heights, 72". Sections joined by mullions.



model 103-6

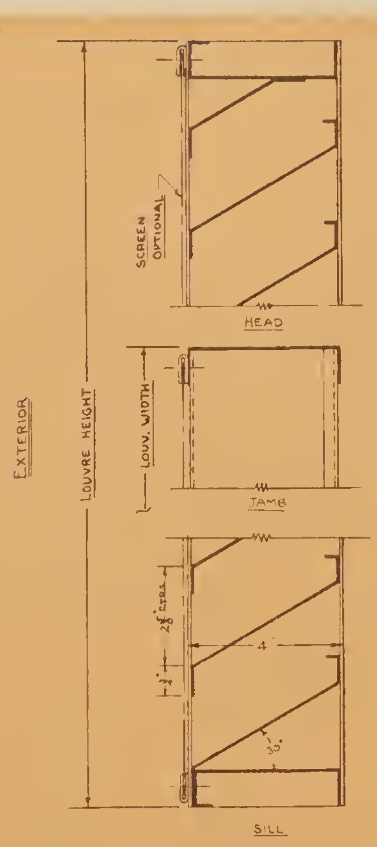
stationary Panelouvre for walls, model 103-6. Blades on 45° angle.

Standard is 4" thick. Can be fabricated from 1½" to 8" thick.

Fabricated of 16 or 18 gauge cold rolled or galvanized steel. Also available in aluminum, copper and other metals of similar thickness.

Can be furnished with return bends on blades as on model 209.

Maximum section widths and heights, 72". Sections joined by mullions.



model 209

stationary Panelouvre for exterior walls, model 209. Blades on 30° angle with return bends at tops of blades offering added weather protection. Not leakproof to degree of model 176-B but offers greater free area ventilation.

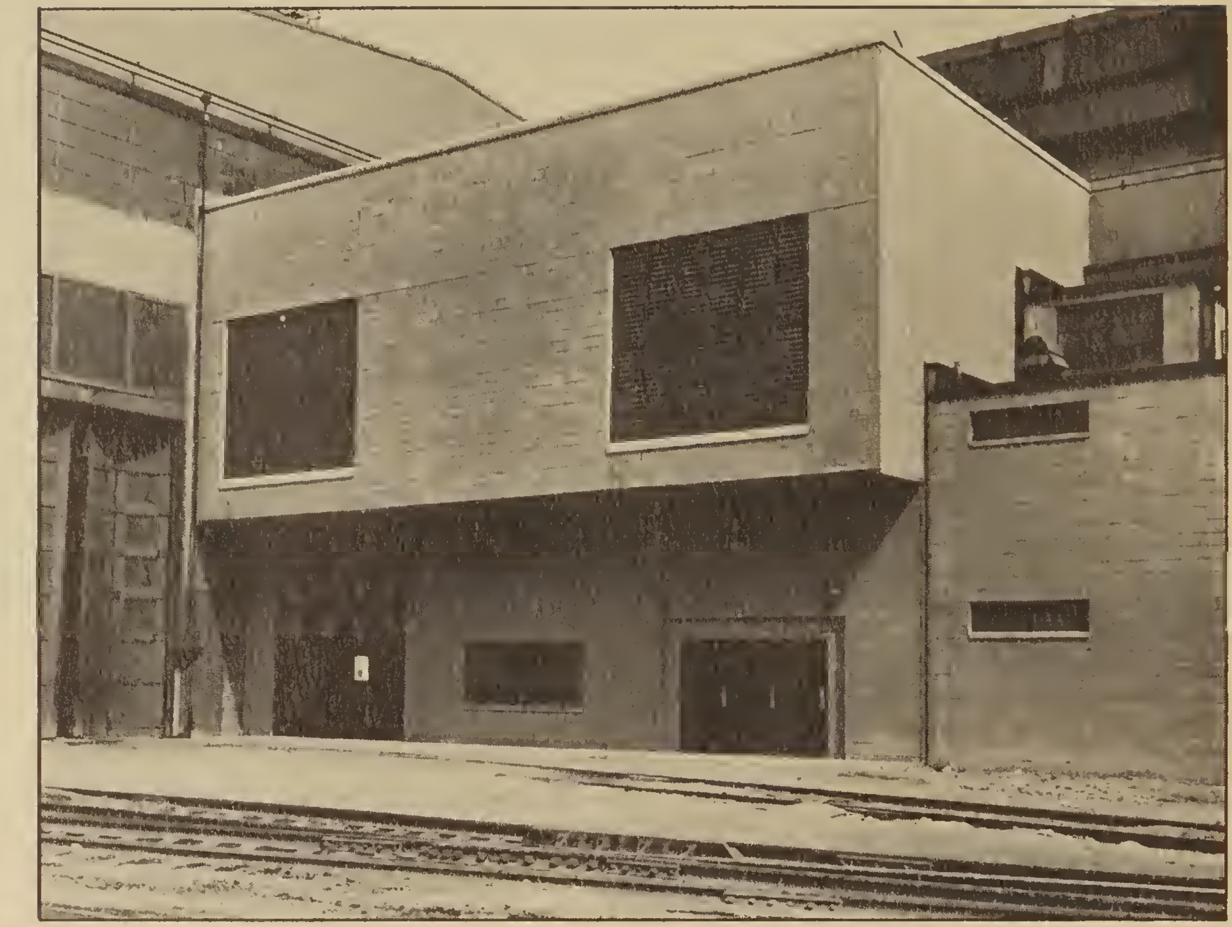
Standard is 4" thick. Can be fabricated from 1½" to 8" thick.

Fabricated of 16 or 18 gauge cold rolled or galvanized steel. Also available in aluminum, copper and other metals of similar thickness.

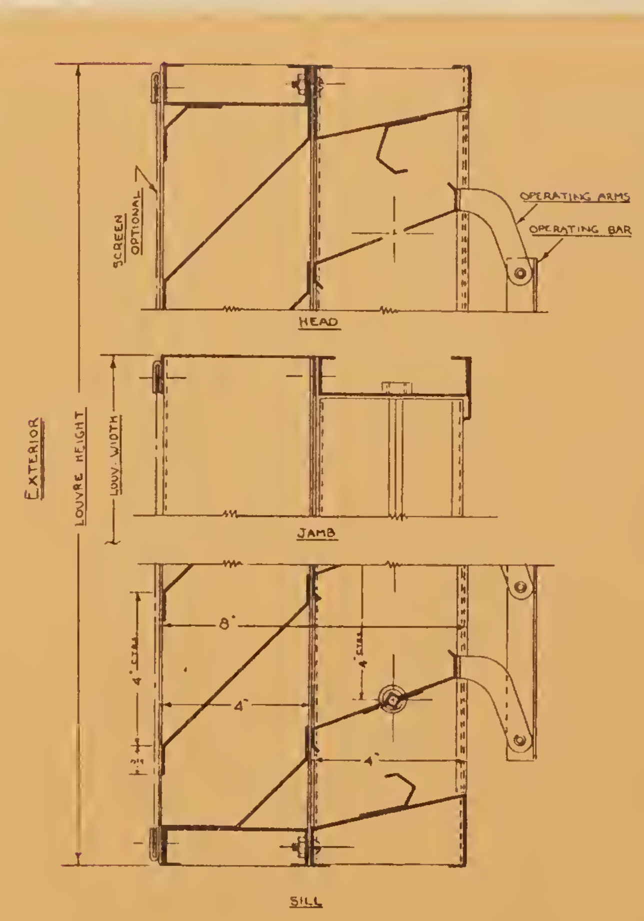
Maximum section widths and heights, 72". Sections joined by mullions.

Panelouvre®

for industrial use combination adjustable and stationary models



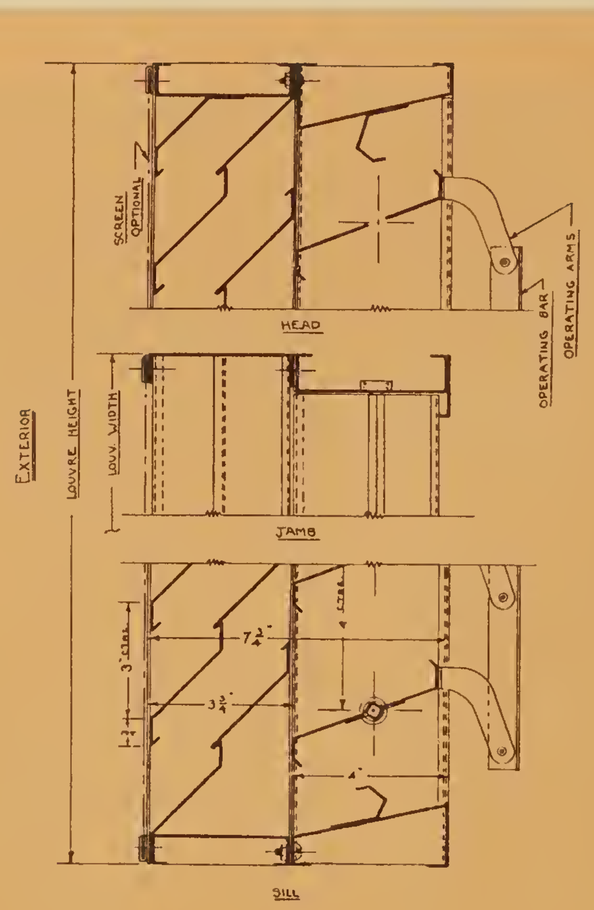
Air Filter Room—Hot Strip Mill, Ford Motor Company, Dearborn, Michigan. These large Combination Ball Bearing and Stationary Panelouvres, model 125-C-1, help assure regulated air flow while offering protection against rain and snow.



model 125-C-1

combination ball bearing and stationary Panelouvre, model 125-C-1. Combination of model 136-7 (see page 21) and model 103-6 (see page 25). Stationary segment can be model 209 if desired.

8" thick and fabricated of 16 gauge cold rolled or galvanized steel. Also available in aluminum, copper and other metals of similar thickness.

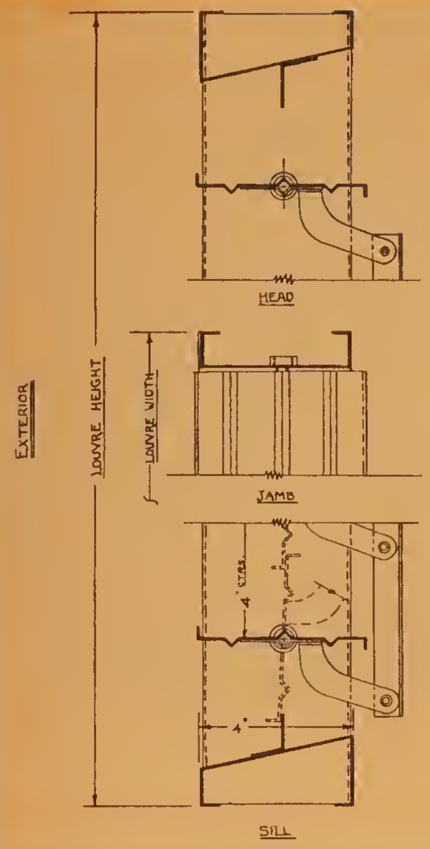


model 260

combination ball bearing and stationary leakproof Panelouvre, model 260. Combination of model 136-7 (see page 21) and model 176-B (see page 25).

7¾" thick and fabricated of materials as listed with models 136-7 and 176-B.

Panelouvre® for industrial use models for special uses



model 255

straight blade adjustable Panelouvre model 255. Designed for maximum air flow in interior ducts.

Adaptable to same methods of operation as model 136-7 (see page 21).

4" thick and fabricated of 16 gauge cold rolled or galvanized steel. Also available in aluminum, copper or other metals of similar thickness.

Maximum section width, 48". Maximum section height, 72". Sections joined by mullions.

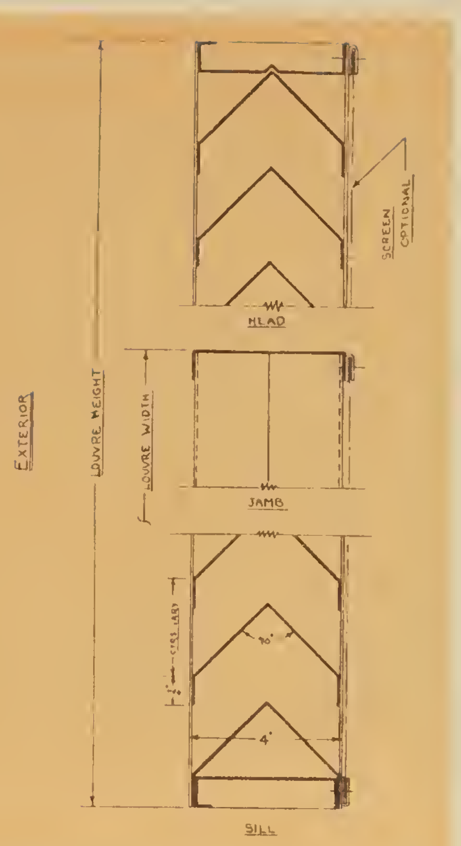
model 259

stationary inverted "V" blade Panelouvre for walls, model 259. Blades with 90° angles.

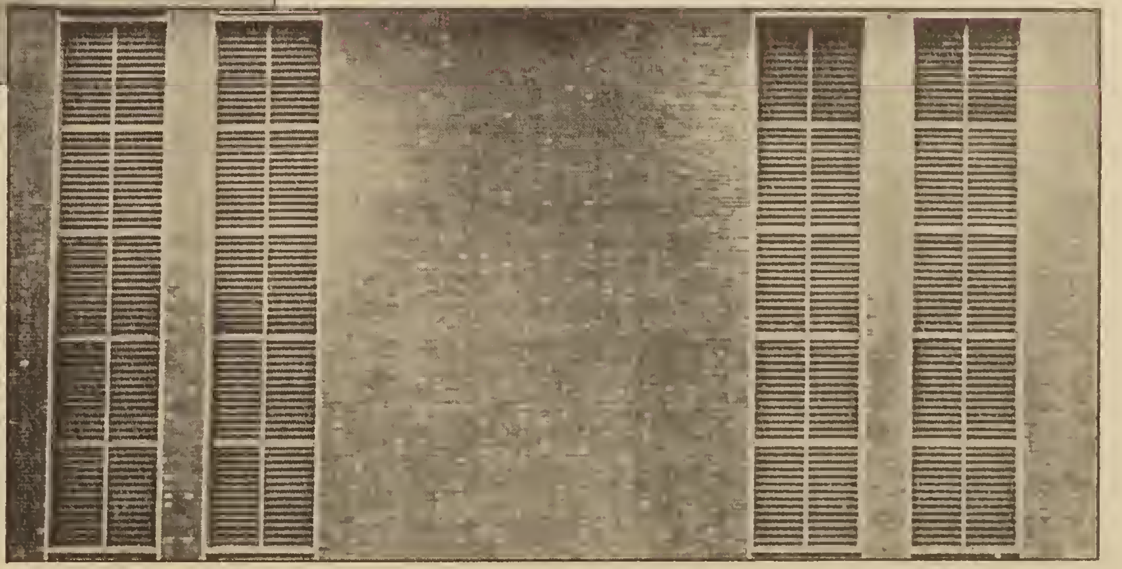
Standard is 4" thick. Can be fabricated from 1½" to 8" thick.

Fabricated of 16 or 18 gauge cold rolled or galvanized steel. Also available in aluminum, copper and other metals of similar thickness.

Maximum section widths and heights, 72". Sections joined by mullions.



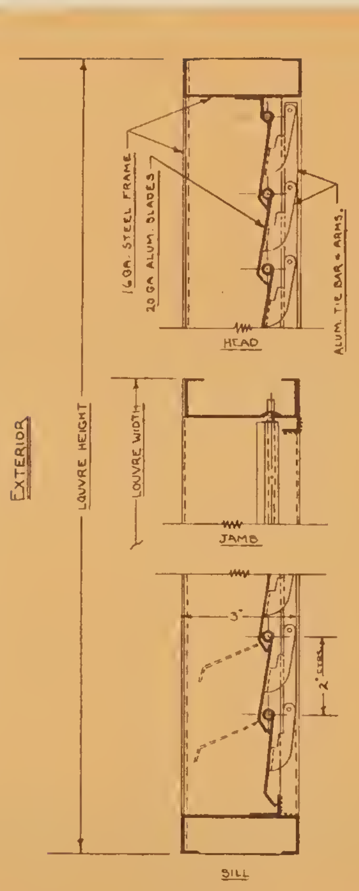
Aluminum Stationary Panelouvres, model 209 (see page 25), in exterior wall at Terry Dairy Products Company Plant, Little Rock, Arkansas.



High tiers of Stationary Panelouvres, model 103-6 (see page 25), offer maximum ventilation at the Walter C. Beckjord Station of the Cincinnati Gas and Electric Company, Clermont, Ohio.

Panelouvre® for industrial use automatic models

Cold Roll Mill, Ford Motor Company, Dearborn, Michigan. Note gravity type Automatic Panelouvres, model 66-C-10, on both sides of the large Stationary Leakproof units in the center.



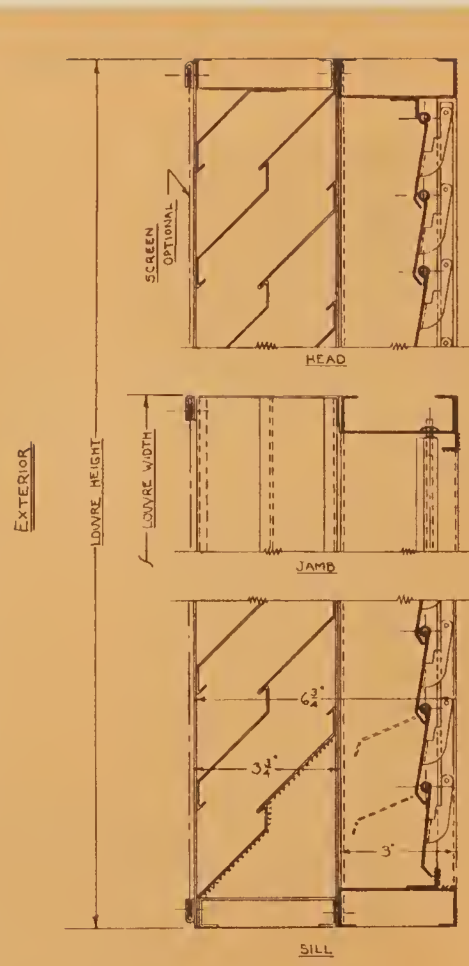
model 66-C-10

automatic Panelouvre model 66-C-10. Automatic gravity type Panelouvre may be used for either exhaust or intake. Furnished with flat flange extending 1½" all around on either bar assembly side or side opposite.

3" thick with frames fabricated of 16 gauge steel (or other metals of similar thickness) with baked enamel finish. Blades and assembly must be fabricated of 20 gauge aluminum with natural mill finish.

Units over 32" wide, or 72" high, made in sections joined by mullions.

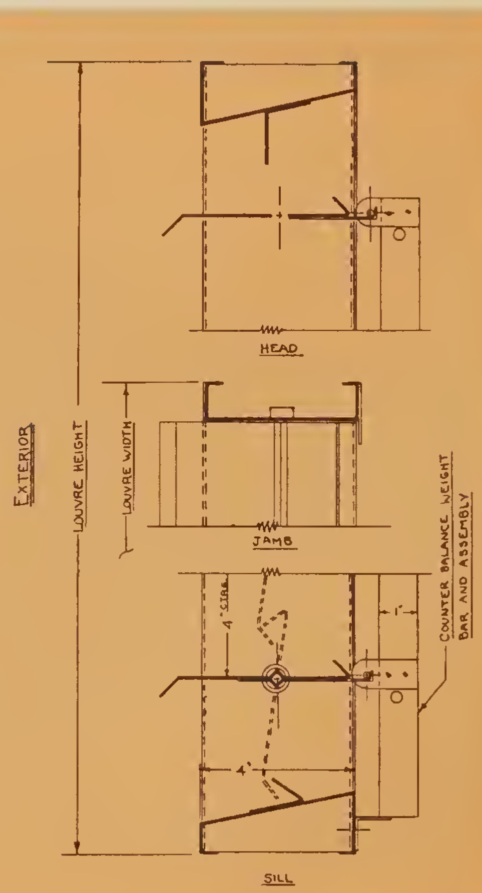
An automatic Panelouvre with different frame design is furnished for small units.



model 263-D-1

combination automatic and leakproof Panelouvre model 263-D-1. Combination of model 66-C-10 (this page) and model 176-B (see page 25).

6¾" thick and fabricated of materials as listed with models 66-C-10 and 176-B.



model 266

automatic Panelouvre with bar counterbalance model 266. Automatic gravity type Panelouvre intended for use where rigorous conditions make heavy gauge blades and heavy duty construction desirable.

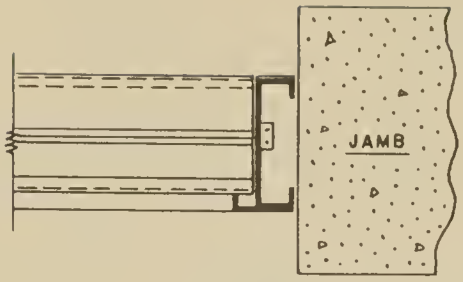
4" thick and fabricated of 16 gauge cold rolled or galvanized steel. Also available in aluminum, copper and other metals of similar thickness.

Maximum section width, 48". Maximum section height, 72". Sections joined by mullions.

Panelouvre®

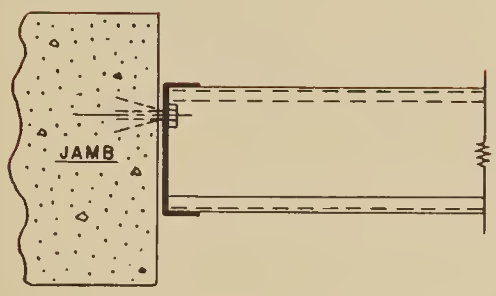
installation of heavy duty models

Installation of Adjustable or Stationary Heavy Duty Panelouvres can be accomplished by the various methods illustrated on this page. The use of masonry anchors, flanges and screw holes in channel frames permit installation either during wall construction or after openings have been completed.



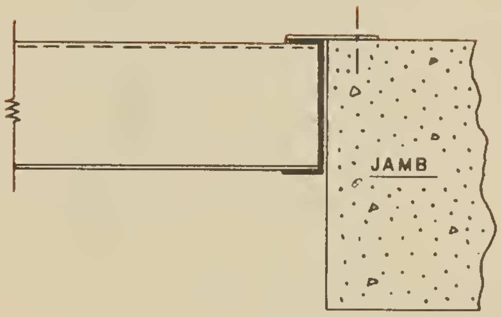
installation #1.

Panelouvre furnished with no provision for attachment. Installation by use of moulding or stops provided by others.



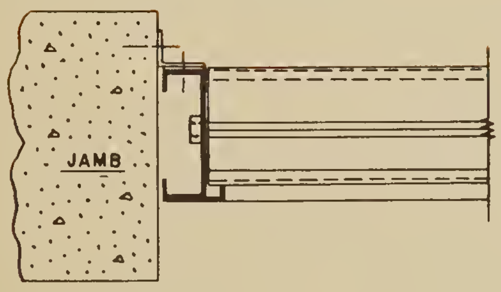
installation #2.

Panelouvre furnished with holes in side channels for attachment with bolts or screws as desired.



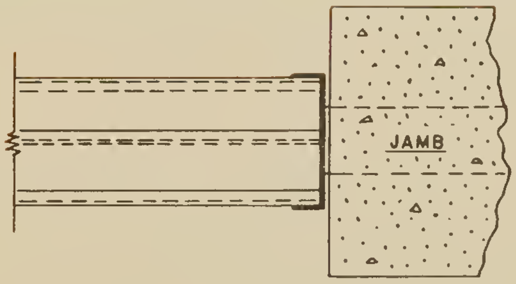
installation #3.

Panelouvre furnished with flat flange on exterior or interior all around or at jambs, head or sill as desired. Flange dimensions variable and with holes as required.



installation #4.

Panelouvre furnished with angle flange on exterior or interior or at jambs, head or sill as desired. Flange dimensions variable and with holes as required.



installation #5.

Panelouvre furnished with standard 2" x 10" masonry strap anchor at jambs. Must be installed during wall construction.

Panelouvre® accessories, materials and finishes

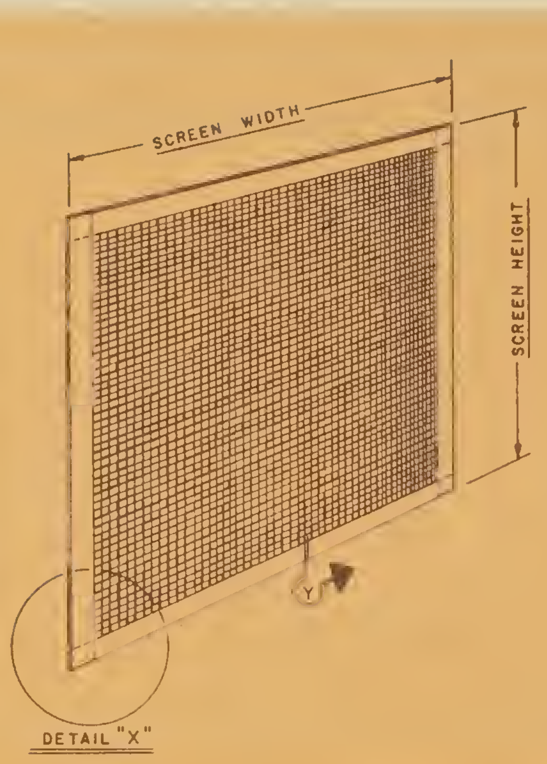
SCREEN When desired, Panelouvres are equipped with screen mounted in our standard folded, removable metal frames attached with sheet metal screws.

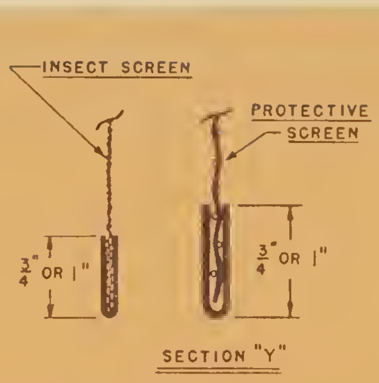
It is suggested that whenever possible screen of one of the kinds listed in the drawing below be specified. The choice of one or more of these screens, which are normally available and fulfill the most varied of requirement, avoids excessive cost and delay.

We make every effort to meet special screen requirements. However, requirements for screen other than those listed below often result in delay and high costs resulting from the weaving of small lots of special gauges and meshes.

Screen is normally furnished only when attached to Panelouvres. On occasion, we are asked to furnish screens only. This calls for separate manufacturing operations, packaging and shipment which result in screen costs frequently doubling the cost of screen attached to Panelouvres at the factory.

SCREWS Panelouvres for installation in doors are shipped complete with wood, sheet metal or machine screws. Due to the many various ways in which Heavy Duty Panelouvres may be installed, and the impossibility of stocking all devices for attachment, such items as bolts, expansion shields for lag screws are furnished by the installing contractor.





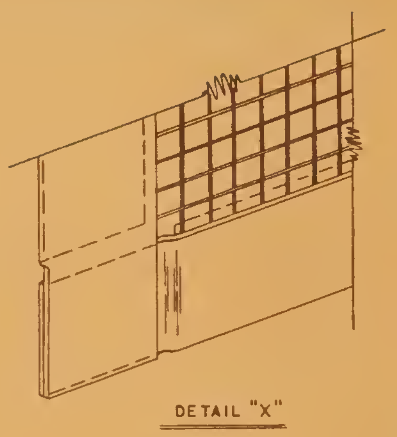
SCREEN AVAILABLE FROM STOCK

PROTECTIVE

- 1/2" SQ. MESH 16 GA. GALV.
- 1/4" SQ. MESH 16 GA. GALV.
- 1/2" SQ. MESH 12 GA. GALV.
- 1/2" SQ. MESH 16 GA. COPPER
- 1/2" SQ. MESH 16 GA. ALUMINUM

INSECT

- 18/14 MESH BRONZE
- 18/14 MESH ALUMINUM



SCREEN IN FOLDED SHEET METAL FRAME, AS DETAILED ABOVE, USUALLY FURNISHED ATTACHED TO FACE OF LOUVRE WITH SHEET METAL SCREWS

MATERIALS The finest available metals are used in the fabrication of the Panelouvre. As indicated on the preceding pages, steel is the standard metal and quotations are based on units of that material unless otherwise indicated. The Panelouvre is also available in aluminum, copper, stainless steel and other metals corresponding to the standard gauges of steel.

LEAD — Special Coating To Guard Against X-rays Stationary Lightproof models 124, 124-1 and 124-2, as well as Combination Stationary and Adjustable models DX-2 and DX-4, can be furnished in steel or other metals with lead coating for use in x-ray rooms, battery rooms, etc. Lead coating from .002″ to .003″ on each side of the metal is available.

Due to the intricate blade design of model 124 and the double blade arrangement of the combination unit, these lead coatings offer adequate protection for most requirements. However, the amount of protection necessary for each installation should be clearly ascertained to determine whether the .002″ to .003″ lead coating on each surface of metal will be acceptable.

BAKED ENAMEL FINISH The Panelouvre can be given a baked enamel finish of the finest quality before shipment. Our color chart with its many varied standard colors and shades makes it easy to choose the finish to harmonize with doors and trim. Colors and shades other than shown on our color chart are available at slight additional cost.

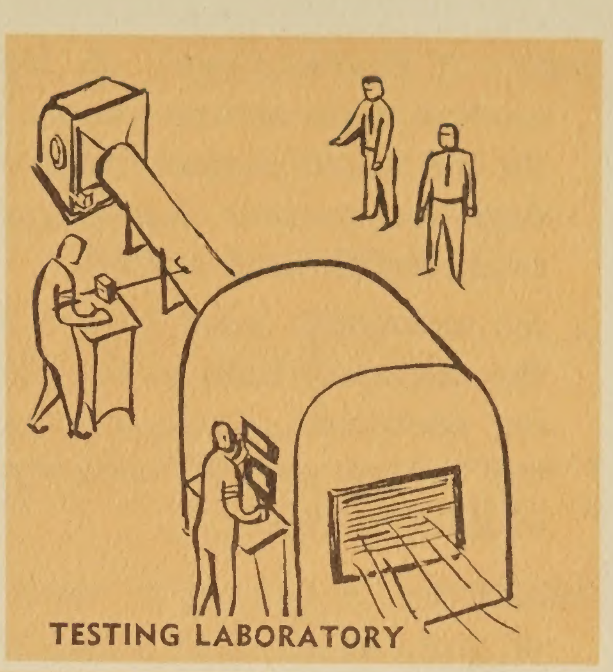
There is no reduction in price for furnishing Panelouvres with prime coat only as the chief costs result from preparation of units for paint, not in the actual painting process itself. We suggest that whenever possible our color chart be used for selection of a factory applied baked enamel finish which is invariably superior to an air dried finish applied in the field. Careless painting in the field can often seriously hamper proper blade movement of adjustable models.

Grained finishes can be furnished at additional cost. While we are most willing to furnish units with a grained finish, we feel obliged to point out that graining is a costly, time consuming process resulting in increased prices and longer processing periods. In addition, it should be noted that the limited surface areas of the Panelouvre do not readily lend themselves to the desired continuous grain effect. Therefore, we believe that a solid color, harmonizing with surrounding finishes, is preferable for most installations.

Panelouvre®

means LEADERSHIP in the CONTROLLED CIRCULATION OF AIR

TRAINED REPRESENTATIVES


TESTING LABORATORY

In over seventy major cities throughout the country, the representatives of The Ventilouvre Co., Inc. are ready to help you meet the widest range of ventilating problems. The representative in your area knows that he can call upon the finest engineering and manufacturing facilities in the louvre industry to provide a product upon which you can rely.

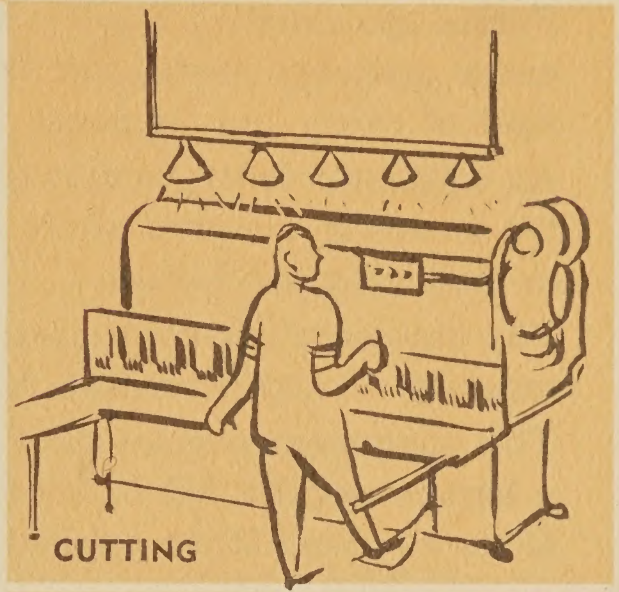
Manufacturing facilities have steadily grown to match the ever increasing demand for the Panelouvre in all its varied uses.

CUTTING A modern shaper shear, making approximately 70 strokes per minute with a minute accuracy tolerance helps meet the largest of production demands while insuring the necessary accuracy in keeping with Ventilouvre standards.

FORMING Eight Punch Presses notch and pierce the seemingly infinite number of sheet metal parts necessary for the many various Panelouvre models.

Four Bending Presses are equipped with various kinds of dies for shaping the innumerable steel parts which comprise blades, frames and all other component parts of various types and kinds of ventilating louvres. One of the newest of the presses is capable of shaping heavy gauges of metals in lengths up to 10 feet.

ASSEMBLY The latest type Spot Welders assure complete uniformity in every spot weld. The welders, with temperature and time accurately controlled, do away with the variances in fusion which so often result in marred appearance and lack of permanence when old style equipment is used. Spot welding is the standard means of assembly for most units fabricated of cold rolled and galvanized steel, stainless steel, aluminum and brass. For units of copper and where certain designs make spot welds impractical, riveting is employed.


CUTTING

FORMING

ASSEMBLY

SURFACE PREPARATION A Detrex Degreaser of the most modern style assures proper preparation of metal surfaces for the baked enamel finish which follows. This vapor type degreaser permits cleansing of Panelouvre sections of maximum widths and heights.

An automatic hoist lowers and raises units to and from the degreaser tank in the exact time needed for the cleaning operation. Again, maximum production demands are met by an assured capacity of several thousand pounds of steel per hour.

PAINTING A battery of spray booths permits the spraying of units of all sizes under the most favorable conditions. Fumes are expelled quickly and efficiently by individual motor operated ventilation exhausts which meet the most rigid of safety requirements.

An automatic conveyor carries the larger Panelouvres from the booths to the oven where all units, whether with prime or final coat, are baked.

The automatically controlled, gas heated oven has a load capacity of approximately 6,000 pounds per hour.

This equipment enables the Panelouvre to be shipped with a factory applied baked enamel finish invariably superior to an air dried finish applied in the field.

INSPECTION AND PACKING After removal from the oven, all units are carefully inspected in keeping with the Ventilouvre standards which have made "Panelouvre" synonomous with "reliability".

Panelouvres are shipped in wooden cleated crates with steel strapping where necessary. Panelouvres for doors are all individually wrapped. Every possible precaution is taken to guard against damage in transit whether for domestic or export shipment.

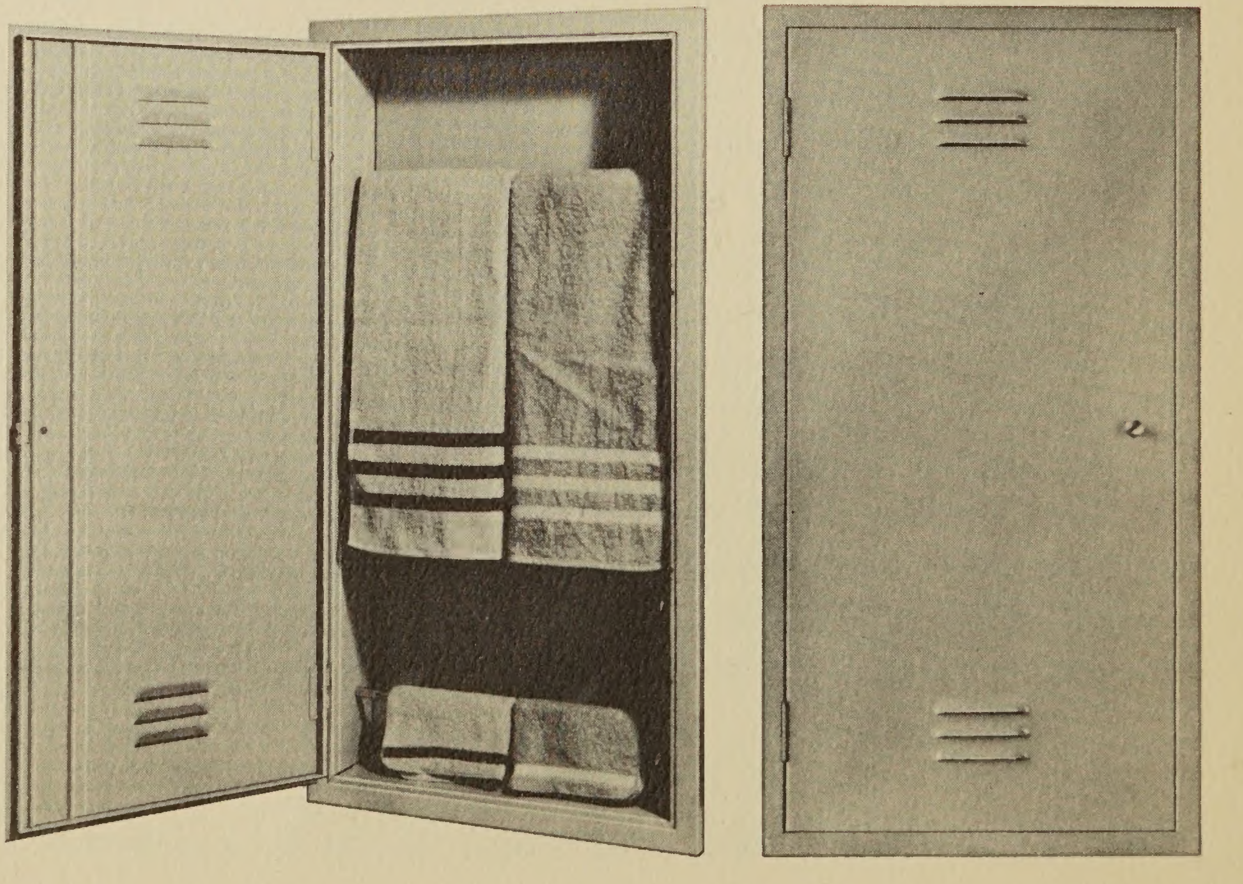
Panelouvre®

sheet metal specialties

Ventilouvre has been called upon from time to time to fabricate specialized units not regularly furnished as stock items by manufacturers in the sheet metal field.

Specialized products have included: metal equipment boxes, cabinets, files, shelves and racks of designs not regularly obtainable through manufacturers of standard items.

The photographs show metal towel cabinets which were recessed in the walls of rooms in a dormitory at Purdue University. These are typical of the specialized products to which Ventilouvre facilities may be turned.



photographs

HOSPITALS

David P. Wohl, Jr. Memorial Hospital, Washington University, St. Louis, Mo.
Architects—Jamieson & Spearl, St. Louis, Mo.
General Contractors—G. L. Tarlton Co., St. Louis, Mo.
Page 9

Greenville General Hospital Addition, Greenville, S. C.
Architects—Samuel Hannaford & Sons, Cincinnati, Ohio
General Contractors—Thompson & Street, Charlotte, N. C.
Page 9

Harrisburg Polyclinic Hospital, Harrisburg, Pa.
Architects—Lawrie & Green, Harrisburg, Pa.
General Contractors—H. B. Alexander & Son, Inc., Harrisburg, Pa.
Pages 9, 16 and 17

Johns Hopkins Hospital Addition, Baltimore, Md.
Architect—James R. Edmunds, Jr., Baltimore, Md.
General Contractors—Consolidated Engineering Co., Inc., Baltimore, Md.
Page 9

Methodist Hospital, Houston, Texas
Architects—Watkin Nunn McGinty & Phenix, Houston, Texas
Louvres purchased and installed by Thomas Bate & Sons, Houston, Texas
Pages 9, 13 and 17

Southwest Florida Tuberculosis Hospital, Tampa, Fla.
Architects—Reynolds, Smith & Hills, Jacksonville, Fla.
General Contractors—The Arnold Construction Co., Palm Beach, Fla.
Page 9

St. John Hospital, Detroit, Mich.
Architects—Maguolo & Quick, Detroit, Mich.
General Contractors—Cunningham-Limp Co., Detroit, Mich.
Page 9

St. Vincent Charity Hospital, Cleveland, Ohio
Architects—George S. Rider Co., Cleveland, Ohio
General Contractors—Roediger Construction Co., Inc., Cleveland, Ohio
Page 7

Veterans Administration Hospital, Omaha, Nebr.
Architects—Leo A. Daly Co., Omaha, Nebr.
General Contractors—Peter Kiewit Sons' Co., Omaha, Nebr.
Page 9

HOTELS

Congress Hotel, Salt Lake City, Utah
Existing Building Remodeled
Page 18

Laurentien Hotel, Montreal, Canada
Existing Building Remodeled
Page 18

Lord Elgin Hotel, Ottawa, Canada
Existing Building Remodeled
Page 18

Rice Hotel, Houston, Texas
Architect on Improvements—Kenneth Franzheim, Houston, Texas
General Contractors—Southwestern Construction Co., Houston, Texas
Page 18

INDUSTRY

Caterpillar Tractor Co., York, Pa.
Consulting Engineers—Whitman, Requardt & Associates, Balitmore, Md.
General Contractors—Consolidated Engineering Co., Inc., Baltimore, Md.
Page 19

Cincinnati Gas & Electric Co., Walter C. Beckjord Station, Clermont, Ohio
Architects—Sargent & Lundy, Chicago, Ill.
General Contractors—Ferro Concrete Construction Co., Cincinnati, Ohio
Pages 19 and 27

Commercial Petroleum & Transport Co., Houston, Texas
Architect—Harvin T. Moore, Houston, Texas
General Contractors—Bellows Construction Co., Houston, Texas
Pages 6 and 19

Fire House #4, Fresno, Calif.
Architects—Horn & Mortland, Fresno, Calif.
General Contractors—L. H. Hansen & Sons, Fresno, Calif.
Pages 21 and 23

Florida Power Corporation, Bayboro Power Plant
Architects and Engineers—Kuljian Corporation, Philadelphia, Pa.
Louvres purchased and installed by Gulf Coast Steel Co., St. Petersburg, Fla.
Page 20

Ford Motor Co., Cold Roll Mill Addition, Dearborn, Mich.
Architects—Giffels & Vallet, Inc.-I. Rossetti, Associates, Detroit, Mich.
General Contractors—Holmes Construction Co., Wooster, Ohio
Pages 24 and 28

Ford Motor Co., Air Filter Room—Hot Strip Mill, Dearborn, Mich.
Architect—Leo M. Bauer, Detroit, Mich.
General Contractors—Walter L. Couse & Co., Detroit, Mich.
Page 26

Omaha Public Power District, Main Plant, Omaha, Nebr.
Louvres purchased and installed by Omaha Power District
Page 19

Riverbank Ordnance Plant, Riverbank, Calif.
Engineers and Constructors—Bechtel Corporation, San Francisco, Calif.
Louvres purchased and installed by Hansen's, Modesto, Calif.
Page 19

Terry Dairy Products Co., Little Rock, Ark.
Architects—Ginocchio-Cromwell & Associates, Little Rock, Ark.
General Contractors—Kelley-Nelson Construction Co., Little Rock, Ark.
Pages 19 and 27

Westinghouse Electric Corporation, Baltimore, Md.
Architects—Whitman, Requardt & Associates, Baltimore, Md.
General Contractors—Consolidated Engineering Co., Inc., Baltimore, Md.
Page 19

OFFICE BUILDINGS

Chrysler Building East, New York City
Architects—Rheinhard, Hofmeister & Walquist, New York City
General Contractors—Turner Construction Co., New York City
Page 11

Franklin Federal Savings & Loan Association Building, Wilkes-Barre, Pa.
Architects—Lacy, Atherton & Davis, Wilkes-Barre, Pa.
General Contractors—Sordoni Construction Co., Wilkes-Barre, Pa.
Page 14

Friendship International Airport, Baltimore, Md.
Consulting Engineers & Architects—Whitman, Requardt-Greiner Co. & Associates, Baltimore, Md.
General Contractors—Consolidated Engineering Co., Inc., Baltimore, Md.
Page 19

Hermann Professional Building, Houston, Texas
Architect—Kenneth Franzheim, Houston, Texas
General Contractors—Linbeck & Dederick Construction Co., Houston, Texas
Page 18

Hillsborough County Court House, Tampa, Fla.
Architects—William O. Sparklin—Reynolds, Smith & Hills—Richard S. Himes
General Contractors—Paul Smith Construction Co., Tampa, Fla.
Page 18

International Trade Mart, New Orleans, La.
Architects—Rathbone De Buys, Godat & Heft, New Orleans, La.
General Contractors—Gervais F. Favrot Co., New Orleans, La.
Page 18

Office Building, 575 Madison Avenue, New York City
Architects—Emery Roth & Sons, New York City
Builders and Owners—Uris Brothers, New York City
Page 18

SCHOOLS AND DORMITORIES

Boone Park School, North Little Rock, Ark.
Architects—Weaver & Stowers, Little Rock, Ark.
General Contractors—Richardson & Kendrick, Little Rock, Ark.
Page 25

D. A. Marshall Elementary School, Harrisburg, Pa.
Architects—Wm. L. Murray & Associates, Harrisburg, Pa.
General Contractors—Ritter Brothers, Harrisburg, Pa.
Pages 8 and 25

Field City School, Farmers Branch, Texas
Architect and Engineer—Wyatt C. Hedrick, Dallas and Fort Worth, Texas
General Contractors—Peterson Construction Co., Dallas, Texas
Page 16

First Baptist Church Educational Building, St. Petersburg, Fla.
Architect—William B. Harvard, St. Petersburg, Fla.
General Contractors—Mills & Jones, St. Petersburg, Fla.
Page 7

Mary D. Mitchell School, Pittsfield Village, East Ann Arbor, Mich.
Architects—Brender & Van Reyendam, Detroit, Mich.
General Contractors—Morrison Construction Co., Detroit, Mich.
Page 12

Northwestern University Technological Institute, Evanston, Ill.
Architects—Holabird & Root & Burgee, Chicago, Ill.
General Contractors—R. C. Wieboldt Co., Chicago, Ill.
Page 8

Purdue University, Men's Residence Hall, West Lafayette, Ind.
Architects—Walter Scholer & Associates, Lafayette, Ind.
General Contractors—J. L. Simmons Co., Inc., Indianapolis, Ind.
Pages 8 and 32

Rocky River High School, Rocky River, Ohio
Architects—Fulton, Krinsky & Dela Motte, Cleveland, Ohio
Louvres purchased and installed by The R. S. Ursprung Company, Cleveland, Ohio
Pages 8 and 15

Stanford University, Electronics Research Building, Stanford, Calif.
Architects—Spencer and Ambrose, San Francisco, Calif.
Louvres purchased and installed by Wagner & Martinez, San Francisco, Calif.
Page 8

St. Casimir Academy, Chicago, Ill.
Architects—Gaul & Voasen, Chicago, Ill.
General Contractors—George Sollitt Construction Co., Chicago, Ill.
Page 8

St. Edward High School, Lakewood, Ohio
Architects—George S. Rider Co., Cleveland, Ohio
General Contractors—Brown Construction Co., Cleveland, Ohio
Pages 8 and 14

Tulane University, Zemurray Hall, New Orleans, La.
Architects—Herbert B. Benson & Associates, New Orleans, La.
Louvres purchased and installed by Crown Sheet Metal Works, New Orleans, La.
Page 8

University of Michigan, Medical Research Building, Ann Arbor, Mich.
Architects and Engineers—Giffels & Vallet Inc.—L. Rossetti, Associate, Detroit, Mich.
General Contractors—Jeffress-Dyer, Inc., Ann Arbor, Mich.
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